R E P O R T R E S U M E S

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LONG RANGE CONSTRUCTION PROGRAM. UNIVERSITIES AND COLLEGES OF MONTANA.

BY- NELSON, EDWARD W.
MONTANA COMMISSION FOR HIGHER EDUC. FACILITIES

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THIS REPORT IS THE PROPOSED CONSTRUCTION PROGRAM FOR COLLEGES AND UNIVERSITIES IN MONTANA AND IS A RESULT OF THE STUDIES CONDUCTED FOR THE MONTANA COMMISSION FOR THE HIGHER EDUCATION FACILITIES ACT OF 1963. EACH INSTITUTION IS REPRESENTED IN A SECTION OF THE REPORT WHICH INCLUDES THE TITLE OF THE FACILITY, ITS CONSTRUCTION PRIORITY, THE COST ESTIMATE AND THE FINANCING SOURCE. A BRIEF, GENERAL DESCRIPTION IS GIVEN FOR THE INDIVIDUAL FACILITIES AND THE EXPECTED TIME OF OCCUPANCY. (BH)

ED016373

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
OFFICE OF EDUCATION

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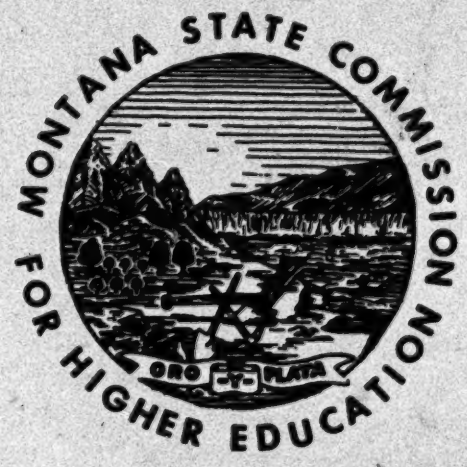
LONG RANGE CONSTRUCTION PROGRAM

UNIVERSITIES AND COLLEGES OF MONTANA



PREPARED BY THE SECRETARY
MONTANA COMMISSION

EF 001320

EF 1320

MONTANA COMMISSION

FOR THE HIGHER EDUCATION FACILITIES ACT OF 1963

STATE CAPITOL

HELENA 59601

TO THE MEMBERS OF THE MONTANA COMMISSION

Commissioners:

I respectfully submit to you the proposed construction program for the colleges and universities in Montana.

Each of the eleven institutions submitted to this office their immediate and long range building program needs which, for each project, consisted of;

1. The title
2. The institutional priority
3. A brief description

This compilation will assist you and the institutions in planning the needs of higher education facilities in Montana, as well as providing a basis from which the Montana Commission can, with the assistance of the colleges and universities in Montana, inaugurate the Higher Education Facilities Comprehensive Planning Grant Program. This grant program is available under the Higher Education Facilities Act.

Sincerely,

Edward W. Nelson
Secretary

MEMBERS OF THE MONTANA COMMISSION FOR THE HIGHER EDUCATION FACILITIES ACT OF 1963

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INSTITUTIONAL HEADS OF MONTANA'S COLLEGES AND UNIVERSITIES

ROBERT T. PANTZER, PRESIDENT
UNIVERSITY OF MONTANA, MISSOULA

EDWIN G. KOCH, PRESIDENT
MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY, BUTTE

LEON H. JOHNSON, PRESIDENT
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LAWRENCE F. SMALL, PRESIDENT
ROCKY MOUNTAIN COLLEGE, BILLINGS

RICHARD STARR, DEAN
DAWSON COLLEGE, GLENDIVE

K. G. SMITH, DEAN
MILES COMMUNITY COLLEGE, MILES CITY

LONG RANGE BUILDING PROGRAM

UNIVERSITY OF MONTANA, MISSOULA

1967-1969 BIENNIUM

PRIORITY	TITLE	ESTIMATED COST		
		state	federal	total
1	Science Complex, Phase I	$ 2,566,350	$ 852,750	$ 3,419,100
2	New Library	3,600,000	1,000,000	4,600,000
3	Animal Research Facilities	250,000	250,000	500,000
4	General Utilities, Phase I	954,300		954,300
5	Heating Plant, Supplement to Phase IV, $250,000 appropriation carried over from 65-67 Biennium	360,000		360,000
6	Psychology Building Renovation	90,600		90,600
7	University Hall Renovation	369,600		369,600
8	Renovation for Animal Behavior Research Facility	45,637	45,636	91,273
9	New Football and Track Facility	75,000		75,000
10	Miscellaneous Renovation Projects	135,000		135,000
11	Wiring at Lubrecht	13,800		13,800
12	Skating Rink Renovation, Phase I Ceramics Lab	37,000		37,000
13	Remodel Anthropology Department	31,000		31,000
14	University Theatre Lighting	20,000		20,000
15	Remodel Room 404, Fine Arts Building	15,000		15,000
16	Equip Cold Rooms	51,000		51,000
17	Research Cubicles in Women's Center	16,770		16,770
18	Fire Preventive Facilities, Phase I	75,000		75,000
	TOTAL	$ 8,706,057	$ 2,148,386	$10,854,443

SELF-LIQUIDATING PROJECTS

	New Football and Track Facility	$ 125,000
	Parking Lot Improvements	211,400
	Residence Hall - 400 Students	2,100,000
	Married Student Housing - 250 Families	2,800,000
	Residence Hall - 400 Students	2,100,000
	TOTAL	$ 7,336,400

1969-1971 BIENNIUM

1	Forestry Building Renovation	$ 140,000
2	Chemistry Building Renovation, Phase I	150,000
3	Old Library Renovation	400,000
4	Health and Physical Education Building	1,750,000
5	Skating Rink Renovation, Phase II Studio and Classrooms	145,000
6	Renovations for Fire Protection, Phase II	150,000
7	Geology Building Demolition	75,600

LONG RANGE BUILDING PROGRAM

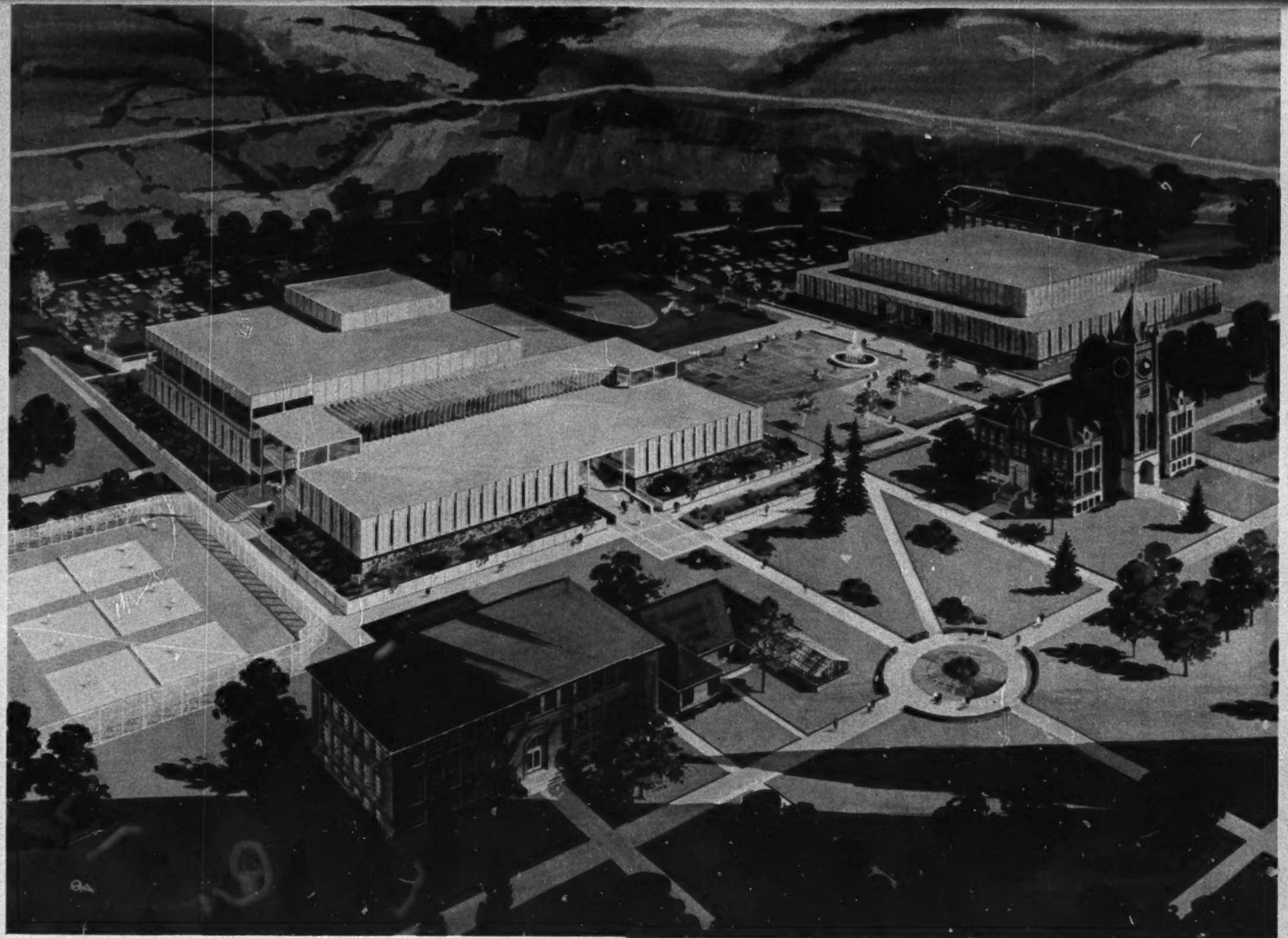
UNIVERSITY OF MONTANA, MISSOULA

PRIORITY	TITLE		ESTIMATED COST
8	Campus Fire Station and Alarm System		214,000
		TOTAL	$ 3,024,600
	SELF-LIQUIDATING PROJECTS		
	Renovate Lodge for Additional Food Service Facilities		$ 350,000
	Residence Hall - 400 Students		2,200,000
		TOTAL	$ 2,550,000
	1971-1973 BIENNIUM		
1	Science Complex, Phase II		$ 2,500,000
2	Old Math Physics Building Demolition		75,000
3	Law School Addition		600,000
4	General Utilities, Phase II		635,000
5	Renovations for Fire Protection Phase III		200,000
		TOTAL	$ 4,010,000
	SELF-LIQUIDATING		
	Field House Addition		$ 1,500,000
	University Center Addition		1,700,000
	Residence Hall - 400		2,300,000
	Married Student Housing - 100 Families		1,300,000
		TOTAL	$ 6,800,000
	1973-1975 BIENNIUM		
1	Fine Arts Building		$ 2,500,000
2	Physical Plant Shops, Phase II		300,000
3	General Classroom Building		1,500,000
4	Perimeter Road		850,000
5	Renovations for Fire Protection, Phase IV		200,000
		TOTAL	$ 5,350,000
	SELF-LIQUIDATING		
	Residence Hall - 400 Students		$ 2,400,000
	1975-1977 BIENNIUM		
1	Chemistry Building, Renovation, Phase II		$ 140,000

LONG RANGE BUILDING PROGRAM

UNIVERSITY OF MONTANA, MISSOULA

PRIORITY	TITLE	ESTIMATED COST
2	Science Complex, Phase III	$ 3,000,000
3	General Utilities, Phase III	1,200,000
4	Land Acquisition	500,000
	TOTAL	$ 4,840,000
	TOTAL TEN YEAR PROGRAM	$47,165,443



UNIVERSITY CENTER
UNIVERSITY OF MONTANA

FOX • BALLAS • BARROW
ARCHITECTS

UNIVERSITY OF MONTANA, MISSOULA

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
1	SCIENCE COMPLEX, Phase I	$ 2,566,350	state
		852,750	federal
		$ 3,419,100	total

DESCRIPTION: ~~This facility~~, to be completed in three separate phases between now and 1977 is a most vital facility at the institution to maintain strength in the sciences and to meet future teaching and research requirements.

This is a completely new facility and design for the building is intended to provide space primarily for undergraduate, instructional laboratories, faculty and student research quarters, space for specialized equipment and shops, and a limited amount of space devoted to lecture and office areas. Flexibility of design and adaptability for future growth and expansion are the keynote.

It is expected and planned that the "old Science Hall", the present Geology building, built in 1898, will be demolished upon completion of the Science Complex, First Phase. The old building mentioned is not only inadequate, but is unsafe for continued use by faculty and students. This is also true of the present Math-Physics building, built in 1902 as the first residence hall on the campus. The building is deteriorated, worn out, and must be removed.

Faculty, supporting staff and students in the Schools of Forestry and Pharmacy, and the Departments of Botany, Chemistry, Geology, Mathematics, Microbiology, Physics, Psychology, Speech Pathology and Audiology, Zoology, and Wildlife Technology will ultimately be housed in the facility, or will cary on major activity therein. Offices for staff in some areas may be housed elsewhere.

It is estimated that in the first year, after completion of the First Phase, no less than 2,000 students will participate in class work in the building, and about 100 faculty members will conduct classes and carry on research there. When the Third Phase is completed the expected student use will be up to 4,500 and faculty use will rise to no less than 300 holding classes and devoting time to research in the facility.

OCCUPANCY: by January 1969

UNIVERSITY OF MONTANA, MISSOULA

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
2	NEW LIBRARY	$ 3,600,000	state
		1,000,000	federal
		$ 4,600,000	total

DESCRIPTION: The urgent need for adequate library study space, stack areas for book collections, archives storage, needed expansion of library services, and for accommodating the necessary enlargement of library staff has made it mandatory that this building must become a top priority on the University of Montana campus. The "information explosion" with its resultant "publication explosion" is very real and is steadily increasing in intensity.

The present library building is deficient, inadequate, and, at this time, is unable to even satisfy the present day requirements. The facility now being used at the University of Montana cannot remotely satisfy the needs of a modern, higher educational institution. The expected growth of both faculty and students at the University within the next several years makes a new library building an inevitable necessity.

The proposed library is a new facility intended to be a general, main library for the University. It will contain areas for reader space, extensive book and periodical collections, specialized study spaces, service areas (for example, circulation desk, reserve book desk, reference desk, interlibrary loan desk, and documents reference desk), offices and staff work areas, technical services space, archives and manuscript departmental area, audiovisual centralized services facilities, data processing installations, and allied facilities which are found in functional, modern libraries at schools of higher education in America.

The present library building will be renovated to provide for faculty offices, general services area, and classroom and seminar space. It is basically a reasonably good building for general use but not suited for housing a modern library.

Virtually the entire student body of the University will use this building, expected to involve no less than ten thousand students by 1975. This is also true of faculty use with an expected 600 faculty members using the library at that time.

OCCUPANCY: by September 1969

UNIVERSITY OF MONTANA, MISSOULA

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
3	ANIMAL RESEARCH FACILITIES	$ 250,000	state
		250,000	federal
		$ 500,000	total

DESCRIPTION: For both research activity and student instruction, the growing need for facilities within which to conduct investigations involving animal subjects makes this facility a high priority in the University's capital building program. The departments of Chemistry, Microbiology, Psychology, Speech Pathology and Audiology, and the Cooperative Wildlife Research Unit presently have serious need for this facility.

Future requirements make even more necessary modern work areas for conducting experimentation and investigation involving the use of animals. Existing facilities on the campus are very limited and grossly inadequate. Specifically, the building will house animal colonies and the specialized space required to carry on research and instruction.

This building is sometimes termed "animal quarters", but actually contains preparation rooms, research rooms, breeding rooms, animal quarters, and allied areas. Most of these specialized rooms must be sound treated, light proofed, and controlled for temperature and humidity. Also, there must be sufficient air transfer to contain the animals and the experimenters for periods of indefinite duration. A strong degree of sound control is necessary for the research-experimentation rooms.

At the present time it is estimated that up to seventy faculty members, graduate students and technicians would make regular use of the building. Undergraduate instruction would presently involve between three and five hundred students. It is estimated that within five years the numbers mentioned will at least double.

OCCUPANCY: by May 1968

4	GENERAL UTILITIES, Phase I	$ 954,300	state

DESCRIPTION: With the building projects presently under construction and the others planned in the coming five-year period, the master utility system of the University is in dire need of extension and updating, to provide adequate water lines, electricity, steam tunnels, storm and sanitary sewers, and allied utility services. The entire campus-wide utility program is planned to be accomplished in three phases between 1967 and 1977.

COMPLETION: by September 1969

UNIVERSITY OF MONTANA, MISSOULA

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
5	HEATING PLANT, SUPPLEMENT TO Phase IV	$ 360,000	state

DESCRIPTION: The modernization of the heating plant and distribution system was commenced in 1958, with several construction phases being involved. Funds have been provided by legislative action in the past several biennial periods to accomplish a part of this work in each two-year period. The present request, designated as "Supplement to Phase IV" is intended to complete the modernization as originally planned by detailed engineering effort. It is evident that in future years enlargement of the whole plant will be necessary, this phase being only the modernization of the existing plant.

COMPLETION: by May 1968

6	PSYCHOLOGY BUILDING RENOVATION	$ 90,000	state

DESCRIPTION: The Department of Psychology is housed in the old School of Law Building (previously the University's general library, built in 1908). The building requires extensive renovation to carry on the modern psychology program now being contemplated.

This is renovation of an existing building which is still a basically good structure.

The growing Psychology Department needs this facility at once because of its expanded program. It now offers a doctoral program and its undergraduate program is growing rapidly. Though the department is scheduled for space in the Science Complex building, it is probable that it will continue to utilize this old building if the same is renovated.

This building will be used by approximately thirty-five faculty members and graduate assistants by the time the renovation is completed, and also by no less than three hundred undergraduate students weekly.

OCCUPANCY: by January 1968

UNIVERSITY OF MONTANA, MISSOULA

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
7	UNIVERSITY HALL RENOVATION	$ 369,600	state

DESCRIPTION: The University's long range campus plan provided for a new administration building easterly from University Hall. It is estimated that the cost of a new building would be in the vicinity of $900,000 at present construction cost considerations. It is concluded that complete renovation and remodeling of University Hall, to more effectively use the gross space, will provide adequate administrative areas for at least a decade in the future. The old auditorium on the second floor is suitable, after remodeling, to provide an excellent classroom-lecture hall for up to five hundred students. Such space is badly needed. However, subject to developments in long range building program, space may be recaptured in other buildings and allow this space to be used for additional administrative offices which are also badly needed. The planned renovation for administrative offices and lecture hall appears to be an effective and economical way to make the best use of this old building, which, incidentally, has been the administration building throughout the University's history.

This facility, subject to use of the large auditorium for classroom purposes, would be used for administration, housing the President's office, Business office, Registrar's office, and allied administrative offices.

About onehundred people working in administration would be housed in this facility, including the part-time student help involved.

OCCUPANCY: by September 1969

8	RENOVATION FOR ANIMAL BEHAVIOR	$ 45,637	state
	RESEARCH FACILITY	45,636	federal
		$ 91,273	total

DESCRIPTION: Existing facilities of the Psychology Department for the housing and research of animals is at the present time limited and inadequate.

The renovation of a cell block unit at the University property at Fort Missoula will provide much-needed space for research cubicles, animal colony housing, and supporting facilities for animal research.

All the space in the renovated facility will be used for staff and undergraduate student research. The proposed renovation will provide sufficient expansion of facilities to handle present staff and graduate student animal research needs.

The renovation of these facilities will provide space and the necessary components to further a general-experimental psychology P.H.D. program initiated in the fall of 1963.

OCCUPANCY: 350 days after National Science Foundation approval of grant

UNIVERSITY OF MONTANA, MISSOULA

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
9	NEW FOOTBALL AND TRACK FACILITY	$ 75,000	state
		125,000	Self-liquidating
		$ 200,000	total

DESCRIPTION: This project is necessary to provide a playing field and seating facilities to accommodate the Athletic program as a result of displacing the existing Dornblaser Field to make land available to site the new library and University Center.

COMPLETION: September 1967

10	MISCELLANEOUS REMODELING PROJECTS	$ 135,000	state

DESCRIPTION: These numerous small projects include such items as plumbing fixture installation and improvements, office space construction, site development, scientific equipment installation, ventilation improvements, sound proofing and minor remodeling, all beyond normal maintenance but under $10,000.00.

COMPLETION: by September 1969

11	WIRING AT LUBRECHT	$ 13,800	state

DESCRIPTION: This wiring would include improvements to reduce fire hazards and raise existing wiring to current standards.

COMPLETION: by September 1968

12	SKATING RINK RENOVATION, Phase I, CERAMICS LAB	$ 37,000	state

DESCRIPTION: This project is the first of two phases to convert the existing skating rink to ceramics labs, studio and classroom use.

OCCUPANCY: by September 1969

UNIVERSITY OF MONTANA, MISSOULA

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
13	REMODEL ANTHROPOLOGY DEPARTMENT	$ 31,000	state

DESCRIPTION: This project is needed to provide classroom facilities and upgrade storage space in the Liberal Arts Building basement for the Anthropology Department.

OCCUPANCY: by September 1968

14	UNIVERSITY THEATRE LIGHTING	$ 20,000	state

DESCRIPTION: This project would provide for lighting in the existing University Theatre making it suitable for use for classroom purposes in addition to its present use.

COMPLETION: by September 1968

15	REMODEL ROOM 404, FINE ARTS BUILDING	$ 15,000	state

DESCRIPTION: This remodeling would provide another classroom in the Fine Arts Building.

OCCUPANCY: by September 1968

16	EQUIP COLD ROOMS	$ 51,000	state

DESCRIPTION: This project would provide controlled environment space for research in the Health Science Building.

OCCUPANCY: by September 1968

17	RESEARCH CUBICLE'S IN WOMEN'S CENTER	$ 16,770	state

DESCRIPTION: This project provides for construction and installation of cubicles in the Women's Center Building for use as research space for the Department of Psychology.

OCCUPANCY: by September 1968

UNIVERSITY OF MONTANA, MISSOULA

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
18	FIRE PREVENTIVE FACILITIES Phase I	$ 75,000	state

DESCRIPTION: These projects are the first phase of four phases to accomplish all the projects both large and small to upgrade existing facilities to meet the recommendations of the State Fire Marshal. Projects include such items as fire alarm systems, fire and smoke proof door installation, fire escape installation, wiring improvements and water system and hydrant improvements.

COMPLETION: by September 1969

LONG RANGE BUILDING PROGRAM

COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY, BUTTE

1967-1969 BIENNIUM

PRIORITY	TITLE	ESTIMATED COST state	federal	total
1	Remodel and Renovate Physical Education Building	$ 68,411		$ 68,411
2	New Mining, Geology, Mineral Dressing Building	1,047,670	523,330	1,571,000
3	New Heating Plant, Garage and Storage Building	209,222		209,222
4	General Campus Improvement	85,750		85,750
5	Fire Preventive Facilities	76,050		76,050
	TOTAL	$ 1,487,103	$ 523,330	$ 2,010,433

1969-1971 BIENNIUM

1	Remodel Engineering Building	$ 128,978

1971-1973 BIENNIUM

No Request

1973-1975 BIENNIUM

No Request

1975-1977 BIENNIUM

No Request

TOTAL TEN YEAR PROGRAM	$ 2,139,411

COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY, BUTTE

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
1	REMODEL AND RENOVATE PHYSICAL EDUCATION BUILDING	$ 68,411	state

DESCRIPTION: This project is urgently needed to provide at least minimal facilities for men's and women's physical education classes. The enrollment in women's physical education has increased more than 500% in the last few years, whereas the accomodations in shower, locker room and toilet room areas remain barely adequate for 1/5 the present number of students. At the present time there is only one small dressing room, one small shower room, and practically no toilet facilities for 100 women students. It is imperative that these facilities be improved in view of still larger enrollment in women's physical education in the future. At the same time, participation of men in physical education activities has nearly doubled, emphasizing need for obtaining maximum serviceability from the limited space available. The requested remodeling and renovation is considered minimal for raising the physical education service to a barely satisfactory level. The building is 40 years old and experiences increasing need for renovation and repair not possible under usual budget allowances.

OCCUPANCY: by September 1967

2	NEW MINING, GEOLOGY, MINERAL DRESSING BUILDING	$ 1,047,670	state
		523,330	federal
		$ 1,571,000	total

DESCRIPTION: This project is to be a new instructional facility to house the closely related instructional areas of Mining Engineering, Geological Engineering, and Mineral Dressing Engineering. In addition, its purpose and function are to (1) provide offices, classrooms, special purpose laboratories now non-existant, and research laboratories now nearly non-existant for the departments which will occupy the building, to (2) provide large lecture rooms now non-existant and badly needed for all departments, to (3) vacate areas in other buildings which can be renovated or remodeled to accommodate needed expansion in other departments, and to (4) correct for increasingly damaging obsolescence of scientific and engineering instructional areas. Future expansion of this facility is not contemplated. The building will serve all of the upper division and graduate work of the departments of mining, geology, and mineral dressing, and at the same time will serve the entire college in the use of large lecture rooms and conference rooms.

OCCUPANCY: by September 1969

COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY, BUTTE

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
3	NEW HEATING PLANT, GARAGE AND STORAGE BUILDING	$ 209,222	state

DESCRIPTION: This project is a new heating plant to replace the old, obsolete, and worn out heating plant which has been in constant use for 58 years. Although the present facility is being maintained in the best possible condition, there is no assurance that this heating plant will not become totally inoperative without warnint at any time. This new plant is also required to add necessary additional heating capacity for the new Mining, Geology and Mineral Dressing Building which would place impossible strain on the old plant. This new heating plant is a very necessary part of the long-range building plan, and with additional capacity added in the future it will serve central heating requirements for a considerable period.

It is contemplated that this facility will also contain suitable space for campus storage and garaging and servicing of state owned automobiles on the campus. This will allow for expansion of presently very crowded shop facilities into the present inadequate garage space, and will allow razing and removal of present storage and heating plant buildings. The present storage building is an old, frame structure of the World War I period which should have been torn down many years ago and the present heating plant is entirely obsolete and useless for other purposes as well as interfering with campus development plans.

OCCUPANCY: by September 1969

4	GENERAL CAMPUS IMPROVEMENT	$ 85,750	state

DESCRIPTION: This is a general remodeling and renovation project to effect improvements to campus grounds which have deteriorated over many years past, due to lack of maintenance and improvement funds. The project is essential to the improvement of transportation and campus service in support of the long-range campus development plan and to effect long-standing deficiencies.

This project includes improvement of road surfaces, the construction of new roads, sidewalks, landscaping and associated extension or modification of utilities, removal of the present heating plant and mill building, and exterior repair to existing shop building to accomplish a part of the long-range building and campus development plan. Because it affects the entire central campus area, it cannot be tied to any other specific project, and is essential to the completion and utilization of all buildings.

COMPLETION: by September, 1969

COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY, BUTTE

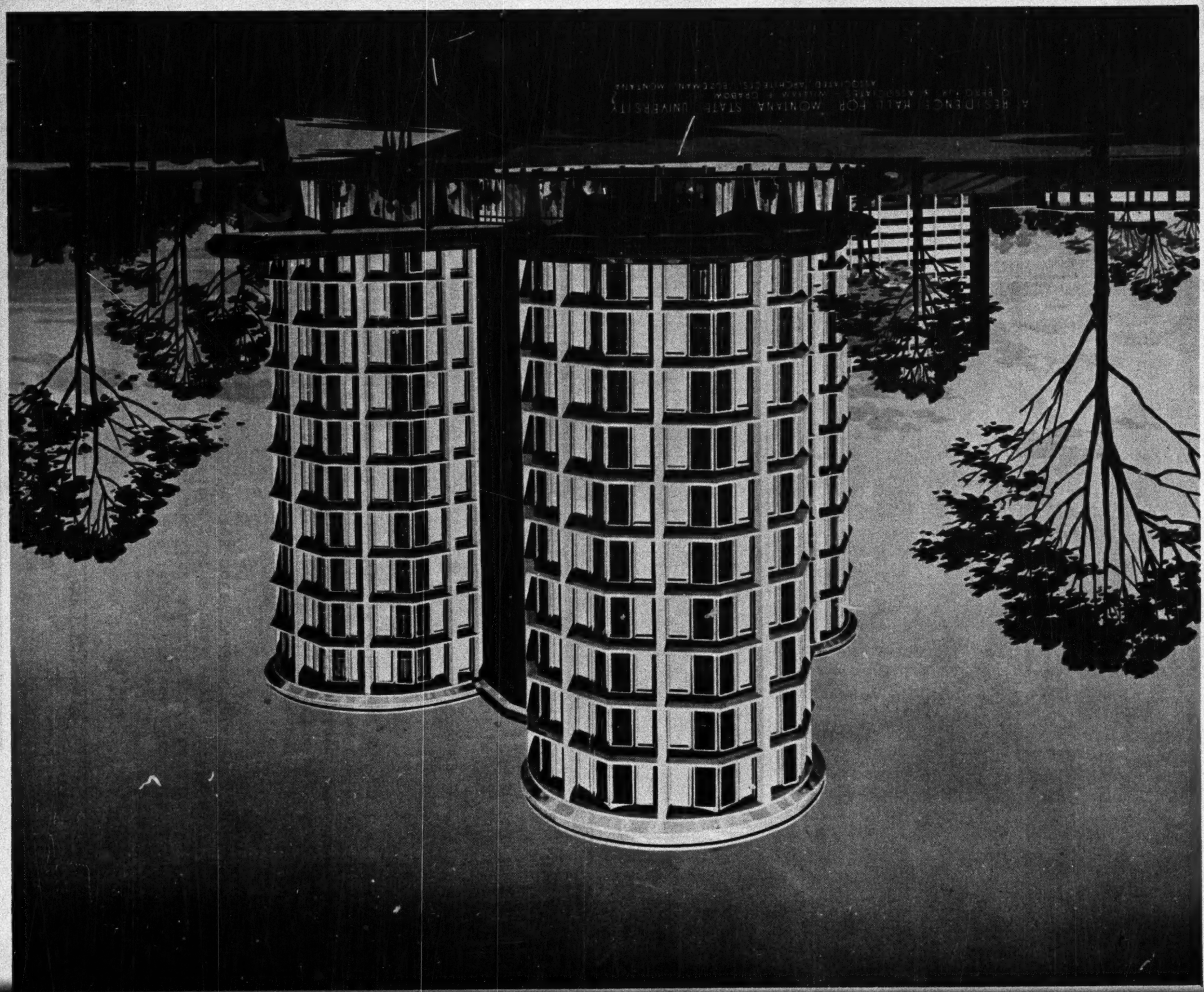
67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
5	FIRE PREVENTIVE FACILITIES	$ 76,050	state

DESCRIPTION: This is a general renovation and repair project formulated principally to satisfy requirements for fire safety and fire control which have not been possible within normal operating budgets of the past several years. This work is necessary for the most part to correct deficiencies noted by the State Fire Marshal during recent fire prevention inspections.

This project includes (1) installation of automatic smoke detector systems in four campus buildings which are either not of fire proof construction or are susceptible to fire hazard, (2) installation of a campus central fire alarm system connected with the local fire station, and, (3) the rewiring of five of the older buildings in which the present wiring is old and incapable of carrying modern load requirements without creating fire hazard.

COMPLETION: by September 1969


A RESIDENCE HALL FOR MONTANA STATE UNIVERSITY
C. BRUCE KIRN & ASSOCIATES WILLIAM F. CRABOM
ASSOCIATED ARCHITECTS BOZEMAN, MONTANA

LONG RANGE BUILDING PROGRAM

MONTANA STATE UNIVERSITY, BOZEMAN

1967-1969 BIENNIUM

PRIORITY	TITLE	ESTIMATED COST state	federal	total
1	Complete the Agricultural Field Buildings, Phase I	$ 71,000	$ 30,000	$ 101,000
2	Engineering Science Building, Phase I	1,373,333	686,667	2,060,000
3	Heating Plant Addition	200,000		200,000
4	Life Science, Complex I	2,856,072	1,000,000	3,856,072
5	Art, Architecture, Industrial Arts	1,378,535	689,265	2,067,800
6	School of Nursing	415,150	207,570	622,720
7	Miscellaneous Remodeling Projects	150,184		150,184
8	Agricultural Field Buildings, Phase II	403,500	33,000	436,500
9	Campus Fire Station	131,940		131,940
10	Computer Center	504,400		504,400
11	Physical Plant, Service Shop Addition	150,000		150,000
12	Campus Improvements	217,500		217,500
13	Math Physics Building Addition	746,300	373,150	1,119,450
14	Social Science,Humanities Building	815,970	407,980	1,223,950
	TOTAL	$ 9,413,884	$ 3,427,632	$12,841,516
	SELF-LIQUIDATING			
	Fieldhouse Addition, Phase I			$ 774,600
	Student Health Service Addition			247,430
	Music-Auditorium - Theatre Building			1,374,485
	Dorm 2 of Complex II and Service Building			3,501,400
	Married Student Housing, Phase II			2,150,000
	TOTAL			$ 8,047,915

1969-1971 BIENNIUM

1	Engineering Science Building, Phase II	$ 1,750,000
2	Life Science, Complex II	2,750,000
3	Film and T. V. Center Addition	Under Study
4	Military Science	450,000
5	Montana Hall Renovations	175,000
6	Utilities Extension	Under Study
7	Miscellaneous Remodeling	168,000
	TOTAL	$ 5,293,000
	SELF-LIQUIDATING	
	Fieldhouse Addition, Phase II	$ 600,000
	Dorm 3 of Complex II	2,250,000
	Married Student Housing	2,250,000
	TOTAL	$ 5,100,000

LONG RANGE BUILDING PROGRAM

MONTANA STATE UNIVERSITY, BOZEMAN

PRIORITY	TITLE		ESTIMATED COST
	1971-1973 BIENNIUM		
1	Greenhouse Addition		$ 100,000
	SELF-LIQUIDATING		
	Dormitory I - Complex III		$ 1,500,000
	Married Student Housing		2,400,000
		TOTAL	$ 3,900,000
	1973-1975 BIENNIUM		
	SELF-LIQUIDATING		
	Fieldhouse Addition, Phase III		$ 450,000
	Dormitory II - Complex III		1,625,000
	Married Student Housing		2,550,000
		TOTAL	$ 4,625,000
	1975-1977 BIENNIUM		
	No Request		
	TOTAL TEN YEAR PROGRAM		$39,907,431

MONTANA STATE UNIVERSITY, BOZEMAN

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
1	COMPLETE THE AGRICULTURE FIELD BUILDINGS, Phase I	$ 71,000	state
		30,000	federal
		$ 101,000	total

DESCRIPTION: The funds authorized by the 1965 Legislature for the construction of the Agricultural Field Buildings and the Veterinary Isolation Unit are insufficient to provide a minimum exclusive of equipment.

The condition is due primarily to two factors:

1. Building costs have risen in the past two years.

2. Certain essentials were omitted in our estimates - utilities, roads, architects fees and site development.

In an effort to come within the allocated funds, requirements have been pared by eliminating certain buildings. We now estimate a deficiency of $70,000 to get a minimum operational unit. A physiology unit is needed which was not originally specified. The estimated cost of this unit (1,500 sq. feet and corrals) is an additional $28,000 plus architect fees and related cost of $3,000.

OCCUPANCY: by September 1968

2	ENGINEERING SCIENCE BUILDING, Phase I	$ 1,373,333	state
		686,667	federal
		$ 2,060,000	total

DESCRIPTION: Based on student and staff projections and planning standards adopted by the Board of Regents, we now have a serious deficiency. Engineering research and graduate study have shown most rapid growth. Full-time equivalent students are expected to increase from 473 to 852 by 1975 and graduate degree students from 79 to 214.

This new facility will serve the immediate instruction, research and extension needs of the College of Engineering. A second building will be requested within four years if present projections prove valid. Agricultural Engineering, now housed in World War I Barracks, will be housed in space released in Ryon Lab.

OCCUPANCY: by September 1969

MONTANA STATE UNIVERSITY, BOZEMAN

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
3	HEATING PLANT ADDITION	$ 200,000	state

DESCRIPTION: Present load on the campus Heating Plant is approaching 90,000 pounds of steam per hour. It is estimated that the new dormitory presently under construction and the buildings in the 1967-1969 biennium will add a 40,000 pound per hour demand.

Present generating capacity with all three (3) boilers operating is 115,000 pounds per hour. The additional load created by the two (2) dormitories, Hedges North and First Phase of Roskie Complex, The Student Union Building Addition, and two (2) more floors of the Library will use up the extra generating capacity now available.

Trouble during a cold spell in either of the 50,000 pound per hour boilers in service will result in a curtailment of campus activities, since it is impossible to generate enough steam with one large boiler plus the 15,000 pound per hour boiler to supply the heat needs on campus at present.

Plans call for an addition to house a 100,000 pound per hour boiler on a separate stack. All equipment in the present plant with the exception of the boilers is sized for an ultimate generating capacity of 150,000 pounds per hour.

OCCUPANCY: by December 1967

4	LIFE SCIENCE, COMPLEX I	$ 2,856,072	state
		1,000,000	federal
		$ 3,856,072	total

DESCRIPTION: We believe growth of research and graduate study in the area of life sciences is most important to Montana. Several disciplines are being brought together to jointly study the problems created by man's impact on his environment, environment's impact on man and the modification of each by the other. Such a study would be primarily concerned with man's using his environment in an efficient and prudent manner. Certain other buildings and work spaces are temporary or totally inadequate and should be phased out; these include the cellar of the Old Agriculture Building, the entrance area to the basement of Animal Science, an old frame building in the Married Student Housing area and one old building blocking the sidewalk and part of Eleventh Avenue - a major campus entrance.

Staff and student projections indicate a second project will be necessary within the next four years. We are developing a group of buildings which have a central focus - the life sciences. By bringing together the basic sciences - biochemistry, botany, microbiology, entomology, genetics and zoology - with applied sciences of plant science, soil science, animal science and range management, we believe we can more effectively meet Montana's instructional, research and extension needs.

MONTANA STATE UNIVERSITY, BOZEMAN

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING

The project will be built in two sections - Life Science and Plant Science. The latter section would also house several service activities such as soil testing, the Wheat Quality Lab, grain inspection and feeds and fertilizer testing. The major function would be graduate education and research. Undergraduate instruction in the Plant and Soil Science Department and certain parts of botany would be an added function along with the service activities listed above.

OCCUPANCY: by September 1969

5	ART, ARCHITECTURE, INDUSTRIAL ARTS	$ 1,378,535	state
		689,265	federal
		$ 2,067,800	total

DESCRIPTION: Art is now housed in Herrick Hall but the needs according to adopted standards are already 5,000 ASF above the inventory despite use of attic and basement. Home Economics can use all of Herrick by 1975; this assumes moving Home Management and Nursery School into the building and phasing these out. Nursery school is now in the North Barracks (World War I vintage); this should be demolished. The present Home Management House could be sold. Architecture is now adequately housed but other departments such as Commerce, which are also in Reid, will soon need this space. Industrial Arts is inadequately housed in the South Barracks (more World War I temporary buildings). This also should be demolished.

The major function is undergraduate instruction in art, architecture and industrial arts; the latter is teacher-training oriented. Art also has a graduate program. We believe that there are physical and curricular advantages to be gained by bringing these three disciplines together. Certain facilities and equipment can be shared. Increased opportunity will exist for staff in related fields to work together. This facility will serve nearly 600 FTE students and 34 faculty - our estimate for 1975 for these departments.

OCCUPANCY: by September 1969

MONTANA STATE UNIVERSITY, BOZEMAN

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
6	SCHOOL OF NURSING	$ 415,150	state
		207,570	federal
		$ 622,720	total

DESCRIPTION: Nursing is now housed in a temporary wooden building which was moved to the campus after World War II. A major change in their program will require two laboratories - a simulated hospital ward and a simulated public health office - which are not now available. With the expanded opportunities in health-related occupations, we believe there will be a major increase in both graduate and undergraduate enrollment. If this is not accepted, deduct $190,000 of the building cost.

This is a new facility planned for 1975 needs which would replace an existing temporary structure. Offices for 20 nursing staff and 3 in dental hygiene, a classroom, required laboratories, conference room and graduate student space are included. A new program for dental hygienists is proposed.

Undergraduate instruction is the major purpose; research and graduate training would be secondary functions. Three hundred and twenty full-time equivalent nursing students and 15 FTE dental hygienists are predicted for 1975.

OCCUPANCY: by September 1969

7	MISCELLANEOUS REMODELING PROJECTS	$ 150,184	state

DESCRIPTION:

1. Agriculture and Animal Industry $81,184

Fire escape on each end ($35,000), ventilate upper floors ($12,600), general remodeling ($10,884), insulate lines and ventilate basement ($1,500), wire glass on south side and smoke detector ($3,000), install fire doors between buildings ($1,200), repair dairy floors ($1,400), add toilets on 2nd and 4th floors ($9,600), and repair and/or cover floors ($6,000).

2. Roberts Hall $18,000

Modernize heating system ($12,000), sunscreens on south side ($3,000), and ventilate 4th floor ($3,000).

3. Reid Hall $30,000

Passenger elevator.

4. Planning fund $21,000

A complete study of the utility system and needed expansion to handle projected loads must be made.

OCCUPANCY: by September 1969

MONTANA STATE UNIVERSITY, BOZEMAN

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
8	AGRICULTURAL FIELD BUILDINGS, Phase II	$ 403,500	state
		33,000	federal
		$ 436,500	total

DESCRIPTION:

1. (a) Pesticide storage and equipment building (20' x 40'). $12,000
   (b) Pesticide research greenhouse (20' x 60') and headhouse, (30' x 30'). $42,000
   (c) Insectory - small greenhouse and facilities for propogation of insects. $45,000

A matching grant of $33,000 for pesticide research is now available from the USDA to assist in financing the above project.

2. Greenhouses $100,000

Considered a major need by the plant scientists. As a first step we recommend two units - 5,000 square feet of greenhouse and the necessary headhouse.

3. Feed Mill Maximum $150,000

The 1965 request did not provide enough funds to complete all buildings listed. As this was prepared (April, 1966) bids had not been let on the Animal Science Field Buildings. Depending on these, we recommend either a complete feed mill or that part which could not be completed in 1966.

4. Veterinary Science Laboratory $ 21,500

Requires hard surfacing of 43,000 square feet.

5. Small Animal Rearing Unit $ 35,000

This unit would serve campus-wide research activities.

5. Office and Field Lab $ 16,000

This facility range research is needed at the Red Bluff Ranch.

6. Granary $ 15,000

The existing granary at Moccasin Branch Station must be replaced. A seed storage and processing building is needed. Field evaluation and seed increase in our small grain breeding program is carried out at this station.

OCCUPANCY: by September 1969

MONTANA STATE UNIVERSITY, BOZEMAN

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
9	CAMPUS FIRE STATION	$ 131,940	state

DESCRIPTION: Fire protection for the campus from the Bozeman central fire station has been judged inadequate by the State Fire Marshal. Added enrollments and research demands justify added buildings in the next few years which compound the problem.

The station would house one large pumper and have a dormitory for twelve student firemen. Office space for one professional fireman (at all times) is needed. Future expansion might require an added truck. The station would be served by campus utilities. Outdoor instructional area is needed. Management and supervision of the station will be provided by the Bozeman City Fire Department.

OCCUPANCY: by September 1968

10	COMPUTER CENTER	$ 504,400	state

DESCRIPTION: At present MSU has two computer installations - one for instruction and research in the Engineering Laboratory Building and one for business affairs in Montana Hall. Both are crowded and have no room for needed expansion; other functions need the space occupied; in each instance the area was not designed for the computer. We believe that one central installation with remote terminal facilities can best serve this campus. Rental of larger equipment is imminent and a facility to house this is needed. In a modern university an up-to-date computing center is a necessity.

We believe there will be student demand and ample justification for a graduate program in Computer Science. This, too, will increase space needs.

The facility will be used for instruction, research and the business operations of the total University program. Future expansion is possible; prediction of growth is most difficult in this field. Air conditioning will be necessary in the machine area.

If the new computer building is not funded by the 1967 Legislature, we will need an estimated $75,000 to prepare space for a computer center in the south basement of the New Library - an area not yet finished. Total gross area is nearly 10,000 sq. feet. A small area will require air conditioning and maximum dust control.

OCCUPANCY: by September 1969

MONTANA STATE UNIVERSITY, BOZEMAN

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
11	PHYSICAL PLANT.SERVICE SHOP ADDITION	$ 150,000	state

DESCRIPTION: With a campus that is rapidly expanding in enrollment and research, there is developing a need for added services and maintenance personnel in the Service Shop. An addition to the present plant of 10,000 square feet is considered necessary for the foreseeable growth.

The Service Shop is now housed in a conglomerate type of buildings - quonsets, lean-tos, wooden garages. As demands grow with the growth of the institution we need added space. To promote efficiency, we need better space.

This project would replace certain temporary wooden structures and add to total available space.

OCCUPANCY: by September 1969

12	CAMPUS IMPROVEMENTS	$ 217,500	state

DESCRIPTION: These are the most necessary projects on campus roads, parking and grounds; they are presented in priority order. These require state financing.

1.	Resurface tennis courts	$ 9,500
2.	Pave Seventh Avenue from Grant to Kegy Lane	55,000
3.	Pave a parking lot for 530 cars on the East end of Gatton Field	60,000
4.	Begin development of underground sprinkler system for campus lawns	25,000
5.	Widen and replace sidewalks	20,000
6.	Pave a parking lot East of Eleventh and North of Agriculture Building for 370 cars	31,000
7.	Seal campus streets	12,000
8.	Fire alarm system for the campus	5,000

COMPLETION: by September 1969

MONTANA STATE UNIVERSITY, BOZEMAN

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
13	MATH-PHYSICS BUILDING ADDITION	$ 746,300	state
		373,150	federal
		$ 1,119,450	total

DESCRIPTION: Enrollment increases bear heavily on the load in these two fields; mathematics, especially, is required in nearly all curricula and physics is prerequisite to engineering, science and other curricula. Both also have their own baccalaureate, masters and doctors programs. One striking example of the need is in offices for mathematics staff. Exclusive of graduate assistants, we now have 23 staff but we have only 11 separate faculty offices and by 1975 we estimate 48 regular staff.

Physics has become active in the research and graduate fields. For example, there was one graduate degree student in physics in autumn, 1963; there were 20 in autumn, 1965, and 75 are projected for 1975.

This facility would be added on to the present building and provide with that building adequate space, according to present projections for 1975 needs in instruction and research in mathematics and physics. After that date it may be necessary to start a separate facility for one of the departments if growth continues. It should be emphasized that projections indicate that the major amount of growth will occur by 1971. Therefore, facilities must be started to allow adequate lead time. This facility would serve 530 students.

OCCUPANCY: by September 1969

14	SOCIAL SCIENCE - HUMANITIES BUILDING	$ 815,970	state
		407,980	federal
		$ 1,223,950	total

DESCRIPTION: As enrollments increase by more than 3,000 by 1971 and over 4,000 by 1975, the numbers in these fields will require added staff with a resulting need for classrooms and faculty offices. Areas now occupied will be inadequate. Moving of Sociology from the Agriculture Building, History and Modern Languages from Reid Hall and English from Montana Hall are all based on the same reasons. Space for these departments is now inadequate and other departments or activities now located in these buildings will require the total available space.

This new facility will provide classrooms, offices, language laboratories, conference rooms and secretarial services for sociology, history, government, philosophy, university honors, English, speech, and modern languages.

	1965-66	1975 Est.
FTE Students	1,348	2,320
Graduate degree students	17	76
Professional staff	52	95

The major emphasis will be on undergraduate instruction. Classroom needs (in a variety of sizes) will be heavier than elsewhere on campus.

OCCUPANCY: by September 1969

MONTANA STATE UNIVERSITY, BOZEMAN

67-69 BIENNIUM

TITLE	COST ESTIMATE	FINANCING
FIELDHOUSE ADDITION, Phase I	$ 774,600	self-liquidating

DESCRIPTION: Large group activity areas are now inadequate for the physical education classes, intramural activities and varsity sports program at Montana State University. Without additional facilities the present program must be curtailed as the enrollment increases rapidly in the next five years.

Phase I of a three-step program would provide faculty offices, a classroom, handball courts, gymnastics-wrestling area, corrective and weight training room, locker rooms and a main floor for basketball, volleyball, tennis, and badminton. The assignable square feet are about 35,000. This new addition represents an expansion of plant which will be used by most men on campus; a potential of 1,800 freshmen men may take physical education in 1975. A professional staff of about 10 would be in this area. Late afternoon and evening use by varsity and intramural groups is planned. Specialized equipment needed is now largely available.

When all phases of the Fieldhouse are completed the old gym and pool will be used for girls physical education and certain intramural activities. We need added large group activity areas now; this is Phase I.

OCCUPANCY: by September 1968

STUDENT HEALTH SERVICE ADDITION	$ 247,430	self-liquidating

DESCRIPTION: The space needs parallel the enrollment as added doctors and nurses are required to serve the student body. While 6,480 ASF are now available, more than 12,000 ASF will be needed to provide reception area, secretarial services, doctors' and nurses' offices, and treatment rooms for a doubled staff which could effectively handle at least 10,000 students. At that time the staff will include 8 doctors, 8 registered nurses, 4 technicians and 5 others. The projected needs are based on maintenance of the present level of service. When the building is available an estimated 2 added doctors would be needed. Equipment requests have been estimated at $10,000 and remodeling in the existing area is estimated at $20,000.

OCCUPANCY: by September 1969

MONTANA STATE UNIVERSITY, BOZEMAN

67-69 BIENNIUM

TITLE	COST ESTIMATE	FINANCING
MUSIC-AUDITORIUM-THEATRE BUILDING	$ 1,374,485	self-liquidating

DESCRIPTION: The Student Union Auditorium (seats 414) is too small for many groups; the music facility is now housed in temporary wooden structures and quonsets; and no facilities are available for an experimental theatre. The student body is interested in an expanded lectures and concerts series. We believe added emphasis should be given the cultural side of general education for the entire student body. Music, professionally, is oriented towards teacher preparation; the demands greatly exceed our supply.

This new facility would replace an existing music facility, provide a larger campus auditorium and provide a new space for experimental theatre. By combining music and an auditorium we save the cost of a large rehearsal hall. Our preliminary discussions on the auditorium favored seating about 1,500. Estimated space needs:

Auditorium	30,000 ASF
Music	10,000 ASF
Experimental theatre	6,000 ASF

A music professional staff of 14, theatre of probably 4 and students from the entire campus would use the facility. We estimate 125 full-time equivalent students in music by 1975.

OCCUPANCY: by September 1969

DORM 2 OF COMPLEX II AND SERVICE BUILDING	$ 3,501,400	self-liquidating

DESCRIPTION: Considering the enrollment estimates, our present dorm overload and the ability of the city to house students, we must rapidly expand dormitory facilities on campus in the next four years. This is a new facility in which we will house 450 students and feed 1,350. Another dormitory will be added; this has been contemplated from the inception of the project. This is an added facility increasing our capacity.

OCCUPANCY: by September 1968

MONTANA STATE UNIVERSITY, BOZEMAN

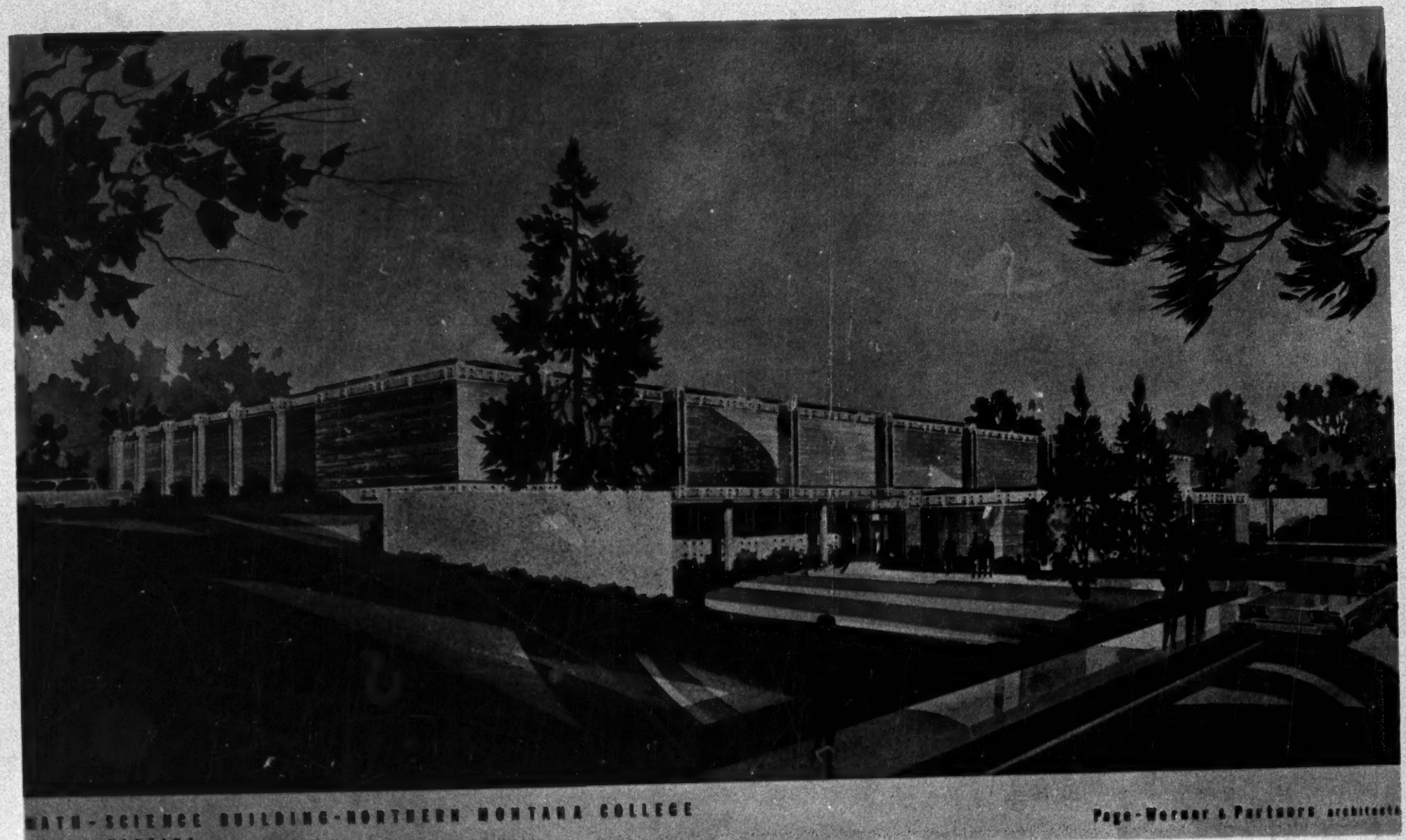
67-69 BIENNIUM

TITLE	COST ESTIMATE	FINANCING
MARRIED STUDENT HOUSING, Phase II	$ 2,150,000	self-liquidating

DESCRIPTION: All of our present units were rented this year and there is a waiting list. At present 301 of the 434 units are temporary structures which were dismantled and moved to Bozeman after World War II. With enrollment increases we need permanent facilities.

This is a new facility; 170 married student units would be built and about 80 temporary units phased out. We plan to add 170 new units every two years. A ten-year plan has already been developed for this area. Permanent, low-maintenance construction is planned. Married couples without children will be housed in one-bedroom high-rise apartments. Those with children will live in two-story, two or three bedroom apartments. All basic services will be provided including furniture.

OCCUPANCY: by September 1969



MATH-SCIENCE BUILDING-NORTHERN MONTANA COLLEGE
HAVRE, MONTANA

Page-Werner & Partners architects

LONG RANGE BUILDING PROGRAM

NORTHERN MONTANA COLLEGE, HAVRE

1967-1969 BIENNIUM

PRIORITY	TITLE	ESTIMATED COST state	federal	total
1	Supplemental Request to Complete Math-Science Building	$ 35,000		$ 35,000
2	Campus Master Plan and Grounds Development	15,000		15,000
3	Completion of Physical Plant	35,000		35,000
4	Classroom Equipment for New Buildings	99,000		99,000
5	Grounds Improvements and Utilities Extensions	84,800		84,800
6	Remodel Pershing Hall	19,200	12,800	32,000
7	Remodel Cowan Hall, Phase I	10,800	7,200	18,000
8	Completion of Auto Mechanics Building	111,390	74,260	185,650
9	Engineering Tech and Industrial Arts Building	699,348	466,232	1,165,580
10	Vocational-Technical Building Phase II	122,100	81,400	203,500
11	Math-Science Building, Phase II	106,284	70,856	177,140
	TOTAL	$ 1,337,922	$ 712,748	$ 2,050,670

SELF-LIQUIDATING

Central Food Service Building	$ 763,300
New Women's Dormitory	1,038,000
Renovation of Donaldson Hall	115,000
TOTAL	$ 1,916,300

1969-1971 BIENNIUM

1	Renovation of Industrial Arts Building	$ 77,610
2	Library	763,950
3	Cowan Hall Remodeling, Phase II	25,800
4	President's Residence	75,150
5	Demolition of East Hall, Morgan Annex and Carpentry Building	12,600
6	Grounds Development	10,000
	TOTAL	$ 965,110

1971-1973 BIENNIUM

1	Grounds Development	$ 10,000

1973-1975 BIENNIUM

1	Grounds Development	$ 10,000

LONG RANGE BUILDING PROGRAM

NORTHERN MONTANA COLLEGE, HAVRE

PRIORITY	TITLE	ESTIMATED COST
	1975-1977 BIENNIUM	
1	Grounds Development	$ 10,000
	TOTAL TEN YEAR PROGRAM	$ 4,962.080

NORTHERN MONTANA COLLEGE, HAVRE

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
1	SUPPLEMENTAL REQUEST TO COMPLETE MATH-SCIENCE BUILDING	$ 35,000	state

DESCRIPTION: Deductive alternates had to be taken in order to award the construction contracts for this project. The work covered by these alternates (clock system, closets and shelving, chaulk boards, and terrazzo) is needed in order to provide the college a complete workable facility.

COMPLETION: by September 1968

2	CAMPUS MASTER PLAN AND GROUNDS DEVELOPMENT	$ 15,000	state

DESCRIPTION: To logically and systematically plan and develop the campus in view of building locations and relationships, utility tie-ins, architectural styles, traffic flows, grounds landscaping, and best utilization of available area and topography, a master plan appears the first order of business with a regular budget devoted to annual grounds preparation and development.

This study, blue-printing, and recommendation would incorporate surveys, topography, title data, present permanent buildings and utility line locations (much of which is presently available but not consolidated) with projected specific sites of buildings, recreational areas, streets, walkways, parking areas, and similar data included.

COMPLETION: by June 1968

3	COMPLETION OF PHYSICAL PLANT	$ 35,000	state

DESCRIPTION: Presently a new Physical Plant is being constructed to replace the old plant destroyed by fire in May, 1965. This is being built from funds derived from insurance on the old plant and matching Title I federal funds. However, these funds are inadequate to provide the necessary facilities to properly house and maintain present equipment for the maintenance of campus grounds and buildings.

New construction of a Vehicle Storage Garage and six-foot high chain-link fence and gates to be attached to or enclosing presently proposed and authorized building.

This addition will serve to house, repair, and make immediately available equipment which must be protected from severe weather conditions characteristic of area. This includes student and faculty vehicles of transportation and the many units of equipment necessary to maintain campus buildings and equipment, to patrol streets, walkways, and lawns, and service or handle heavy materials and shipments characteristic in a campus operation.

OCCUPANCY: by September 1968

NORTHERN MONTANA COLLEGE, HAVRE

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
4	CLASSROOM EQUIPMENT FOR NEW BUILDINGS	$ 99,000	state

DESCRIPTION: Considerable new furnishings and study stations will be required for the new Math-Science Hall and Technology Building, now under construction, before they can be put into service. Serviceable old equipment from the present quarters will be utilized, but new units of academic furnishings are necessary to make the laboratories and classrooms functional. This equipment would assure a "turn-key" facility.

COMPLETION: by September 1967

PRIORITY	TITLE	COST ESTIMATE	FINANCING
5	GROUNDS IMPROVEMENTS AND UTILITIES EXTENSIONS	$ 84,800	state

DESCRIPTION: Complete the primary power loop about campus to avoid outages in other buildings when single buildings may become involved in disaster situations and install new power station in Donaldson Hall with sectionalizing switches.

Install guard rail on Tiber Drive to prevent accidents from cars going over 25-foot embankment.

Install curbing on some streets to control storm water runoff and prevent vehicles from driving on lawns.

Install security lighting on girls' dormitory.

Construct new walks to new buildings under construction and additional walks to existing buildings.

Install fire line and hydrant to new Physical Plant building for fire protection.

Install fire hydrant on existing fire line for protection of Carpentry Building, Armory-Gym, and new Vocational-Technical Building.

Add new fire line to loop the existing married student housing line in order to provide enough water for pumper-type fire trucks.

Provide lawn sprinkling system for front campus area.

COMPLETION: July 1969

NORTHERN MONTANA COLLEGE, HAVRE

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
6	REMODEL PERSHING HALL	$ 19,200	state
		12,800	federal
		$ 32,000	state

DESCRIPTION: With the completion of the new Math-Science Hall in the fall of 1967, Pershing Hall will be evacuated by those departments and become available for other areas of the college - music and art. To make it usable for these departments, the floors will have to be refinished where science tables had utility outlets, lighting fixtures will require relocations in some instances, permanent staging or floor risers will have to be built in for music, practice rooms will have to be sound proofed, and similar modifications made in the building to make it usable for music and art.

This facility does release East Hall, fire damaged and abandoned as unsafe by State Fire Marshal, for demolition.

OCCUPANCY: by September 1967

7	REMODEL COWAN HALL, Phase I	$ 10,800	state
		7,200	federal
		$ 18,000	total

DESCRIPTION: As a part of the sequence of departmental shifts - math and science from Pershing Hall to the new Math-Science Hall, music and art from Cowan Hall to Pershing Hall - this releases areas on the ground floor of Cowan Hall for new academic tenants, central library stacks in one instance and probably English or Education and Psychology departments in the others.

To prepare these rooms, particularly the art laboratories, for the different nature of their utilization, will require remodeling. One area is expected to be converted to an audio-visual aids laboratory with its special requirements.

This is a renovation project which will likely involve some installation or relocation of partitions, refinishing floors, relocating lighting, and redecorating to the different forms of utilization.

OCCUPANCY: by September 1967

NORTHERN MONTANA COLLEGE, HAVRE

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
8	COMPLETION OF AUTO MECHANICS BUILDING	$ 111,390	state
		74,260	federal
		$ 185,650	total

DESCRIPTION: Students in Auto Mechanics and Diesel Technology and sophomores in the Industrial Arts major in Teacher Education use this building. All three of these programs have been climbing in enrollment at a rate in excess of the over-all college enrollment growth. For instance, in a building which has 20 student stations in Auto Mechanics and 12 stations in Diesel Technology, spring quarter, 1966, there were 44 students enrolled in Auto Mechanics, 33 students enrolled in Diesel Technology, and 10 in the sophomore year of an Industrial Arts major. Shifts in the labs run two to four hours, and there are freshmen and sophomore level courses to schedule in Auto Mechanics and Diesel Technology.

The College has begun an authorized program of preparing instructors in Vocational-Technical Education with one major in Automotive Mechanics to further increase the pressure on the building facilities.

This project would complete an unfinished portion of the building designed as a part of the original unit and help alleviate pressure for more work stations. It would also provide engine manual library space, tool check-out stations, and washrooms and locker areas for students who must change to mechanics uniforms for class projects.

OCCUPANCY: by September 1968

9	ENGINEERING TECH AND INDUSTRIAL ARTS BUILDING	$ 699,348	state
		466,232	federal
		$ 1,165,580	total

DESCRIPTION: The College has just begun to move into the three-year associate degree programs in Engineering Technology. Quarters are still to be provided for the Construction Engineering Technology and Mechanical Engineering Technology. This proposed building would meet that need.

Also, the Industrial Arts major in Teacher Education, which currently has 72 students enrolled, is presently using a wood frame building for much of its instructional program. Other classes in the program are scattered in other areas. This building would permit evacuating the present Carpentry Building which has been declared a fire hazard.

Likewise, the College has just begun to prepare instructors in Vocational-Technical Education, with majors in Automotive Mechanics and Electronics. Some of the enrollment load in these programs willinvolve classes and labs in this proposed building.

OCCUPANCY: by September 1969

NORTHERN MONTANA COLLEGE, HAVRE

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
10	VOCATIONAL-TECHNICAL BUILDING, Phase II	$ 122,100	state
		81,400	federal
		$ 203,500	total

DESCRIPTION: This year, enrollment in drafting has increased so dramatically that additional space has been borrowed from the Health and Physical Education Department to create a third laboratory, and additional sections of drafting have been scheduled during the evening to accomodate the overflow.

Enrollment is also producing pressure from the Health and Physical Education Department to regain use of the areas now devoted to drafting. This pressure and the need for larger drafting facilities dictates the need for this facility.

This would be an all-new facility, but attached to the Vocational-Technology Building as a First Addition. A Second Addition to the same building is planned at a later date to complete the complex.

This unit would accommodate four drafting laboratories with audio-visual aids rooms, offices, and other instruction-related areas.

This facility would release space in the Health and Physical Educations units for use by that department.

Four drafting instructors would be using these facilities.

OCCUPANCY: by September 1969

11	MATH-SCIENCE BUILDING, Phase II	$ 106,284	state
		70,856	federal
		$ 177,140	total

DESCRIPTION: This addition to the already authorized Math-Science Building is designated to provide laboratory and classroom space for the associate degree program in nursing, which is now in its second year entirely under NMC supervision and which will be in drastic need of proper instructional quarters as it moves up in enrollment. First year freshmen class of 19 in 1965-1966 has now been followed by a freshman class of 41 in 1966-1967, and applications indicate further increases. In addition, this facility will provide expanded quarters for other science areas to be headquartered in the original unit.

This facility will release space in other buildings - Cowan, Pershing principally - where the nursing classes are now accommodated.

Two to three nursing instructors would be using these facilities.

OCCUPANCY: by September 1970

NORTHERN MONTANA COLLEGE, HAVRE

67-69 BIENNIUM

TITLE	COST ESTIMATE	FINANCING
CENTRAL FOOD SERVICE BUILDING	$ 763,300	self-liquidating

DESCRIPTION: A new and separate building for food service is needed to replace the outgrown facility in the men's dormitory where both men and women are being served.

The original dining space can accomodate 120 at tables, and by appropriating the lounge area from the men students, the seating capacity has been increased to approximately 200. During fall quarter of last academic year, 440 students were regularly served; winter quarter, 420; and spring quarter, 330. Fall quarter this year 483 are being served.

Enrollment gains of recent years and projected enrollment gains of the future dictate a new dining facility, since the present one cannot be enlarged and since the lounge area of the dormitory needs to be returned to the men.

A new facility is required with triple the capacity of the present food service unit. This would include accommodations for at least two serving lines or "scramble" service, and seating capacity for 500-700. Not only regular food service is involved, but banquet facilities on campus.

OCCUPANCY: by September 1969

NEW WOMEN'S DORMITORY	$ 1,038,500	self-liquidating

DESCRIPTION: With sharply rising enrollments, the present women's dormitory, built in 1936, has been outgrown, but more than that, it has become antiquated by present standards as a housing facility for women.

An entirely new facility would be required with site selected and plans arranged to provide for the addition of units later.

Accommodations for approximately 200 women would have to be provided in the first new facility. It should be a self-contained unit as far as utilities are concerned, but food service would be provided elsewhere. The present dormitory is designed for 96 women, but 125 were housed there fall quarter of this year and temporary accommodations arranged for 30 additional women elsewhere. This facility would release the present dormitory for renovation as a men's dormitory.

OCCUPANCY: by September 1968

NORTHERN MONTANA COLLEGE, HAVRE

67-69 BIENNIUM

TITLE	COST ESTIMATE	FINANCING
RENOVATION OF DONALDSON HALL	$ 115,000	self-liquidating

DESCRIPTION: When a new women's dormitory is built and Donaldson Hall is vacated, Donaldson will be available for renovation and conversion to a men's dormitory for which there is pressing need.

The present facilities for men were heavily over-burdened during fall and winter quarters when 345 men were housed in facilities designed to accomodate 304. Projected enrollment indicates much greater pressure.

This project would require almost complete replacement of plumbing connections, which have been disintegrating and plumbing fixtures, with the elimination of lavatories in the individual rooms.

It would require complete redecorating of all rooms, with considerable modifications in study facilities, clothing storage, and bed arrangements. Restoration of recreational rooms would also be involved.

OCCUPANCY: by September 1968

LONG RANGE BUILDING PROGRAM

WESTERN MONTANA COLLEGE, DILLON

1967-1969 BIENNIUM

PRIORITY	TITLE	ESTIMATED COST state	federal	total
1	Classroom and Faculty Office Building	$ 708,335	$ 354,165	$ 1,062,500
2	Boiler Plant Addition	65,000		65,000
3	Utilities Extension, Phase I	60,000		60,000
4	Remodel Old Library to Classrooms	73,340	36,660	110,000
5	Physical Plant Maintenance and Vehicle Storage Building	101,000		101,000
6	Fire Preventive Facilities	50,500		50,500
7	Replace Filter and Heating System in Swimming Pool	10,000		10,000
8	Land Acquisition	35,000		35,000
	TOTAL	$ 1,103,175	$ 390,825	$ 1,494,000

1969-1971 BIENNIUM

1	Renovate Old Gym		$ 70,000
2	Site Development		30,000
		TOTAL	$ 100,000

1971-1973 BIENNIUM

1	Site Development	$ 10,000

1973-1975 BIENNIUM

1	Demolish Old Main (Existing Administration Building)	$ 50,000

1975-1977 BIENNIUM

No Request

TOTAL TEN YEAR PROGRAM $ 1,654,000

WESTERN MONTANA COLLEGE, DILLON

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
1	CLASSROOM AND FACILITY OFFICE BUILDING	$ 708,335	state
		354,165	federal
		$ 1,062,500	total

DESCRIPTION: The planned classroom and faculty office building is a necessary addition to our campus in order to accommodate the predicted increase in enrollment within the next ten years from 1966 to 1976. Also, in order for the science department to properly prepare people in various curricula it is necessary that new facilities and equipment be provided. Due to an increase in enrollment and interest in the area of science, additional faculty offices are necessary as well. There are now six staff members in the area of math and science. This number will increase next fall and there will be at least twice this many when the building is ready for occupancy. In addition to science classrooms and faculty offices, space will be provided for general classroom use. The present space now used by the science department will be used for general classrooms and the introductory courses in science.

With the addition of this building and other classroom areas there will be need for an increase in the central heating plant facilities, the campus sewer system, and the electrical power lead-in (these added facilities are being requested).

OCCUPANCY: by September 1969

2	BOILER PLANT ADDITION	$ 65,000	state

DESCRIPTION: In order to serve new buildings now under construction and projected for the coming bienniums, the heating plant must be enlarged and a new boiler and related piping installed.

COMPLETION: by September 1969

3	UTILITIES EXTENSIONS, Phase I	$ 60,000	state

DESCRIPTION: In order to serve new buildings now under construction and projected for the coming bienniums, sewer, water and electrical systems must be extended. A new primary electrical distribution system and transformer vault have become a necessity because of the increased load requirements. The water system extension will provide for a looped system recommended by the State Fire Marshal, Project Architects are working with the Dillon City Engineer to provide adequate sewer facilities.

COMPLETION: by September 1968

WESTERN MONTANA COLLEGE, DILLON

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
4	REMODEL OLD LIBRARY TO CLASSROOMS	$ 73,340	state
		36,660	federal
		$ 110,000	total

DESCRIPTION: This space will become available for classroom use upon completion of the new library planned for construction during 1967. Since classroom space is the most urgent need on this campus, this project would help alleviate this problem.

OCCUPANCY: by September 1969

5	PHYSICAL PLANT MAINTENANCE AND VEHICLE STORAGE BUILDING	$ 101,000	state

DESCRIPTION: This request is for maintenance shop and vehicle storage space. The existing maintenance shop is inadequately housed in a corner of the boiler room which is to be enlarged per priority No. 2. At present, state vehicles and maintenance equipment are stored outside and should be protected from the weather for more efficient operation.

OCCUPANCY: by August 1968

6	FIRE PREVENTIVE FACILITIES	$ 50,500	state

DESCRIPTION: Install six sets Class A fire doors between buildings, install sprinkler system in old buildings, install wired glass windows and metal frames in windows adjoining fire escapes. This work has been recommended by the State Fire Marshal.

COMPLETION: by September 1968

7	REPLACE FILTER AND HEATING SYSTEM IN SWIMMING POOL	$ 10,000	state

DESCRIPTION: Present system was installed in the original construction of the pool in 1925 and is in bad repair, necessitating replacement. This project involves removal of all existing pool filtering and heating equipment and replacing all pipe to and from pool; installation of new equipment.

COMPLETION: by May 1968

WESTERN MONTANA COLLEGE, DILLON

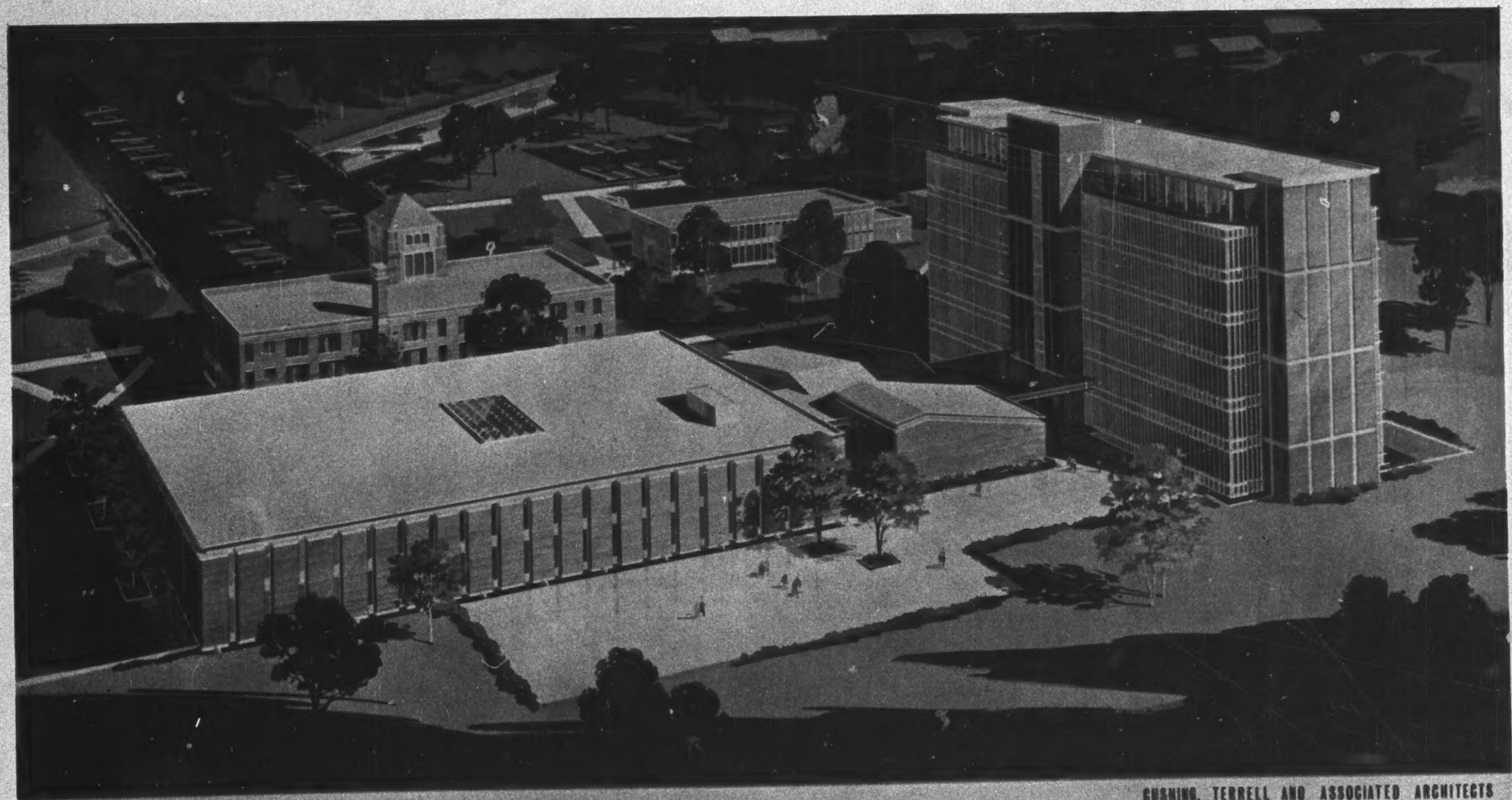
67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
8	LAND ACQUISITION	$ 35,000	state

DESCRIPTION: The present playfield is being encroached upon by additional buildings necessary for increased enrollment. Additional land area is becoming a "must" to adequately serve our enrollment.

There are two land areas adjacent to the campus not occupied by buildings. One of these areas is more desirable than the other and we would attempt to acquire it if at all possible. The second area would serve but not as satisfactorily. The availability of either area is uncertain at the present time but options will be sought.

COMPLETION: by September 1967



LIBRARY CLASSROOM BUILDING
EASTERN MONTANA COLLEGE OF EDUCATION

CUSHING, TERRELL AND ASSOCIATED ARCHITECTS

LONG RANGE BUILDING PROGRAM

EASTERN MONTANA COLLEGE, BILLINGS

1967-1969 BIENNIUM

PRIORITY	TITLE	ESTIMATED COST state	federal	total
1	Library Classroom Building, Phases II and III	$ 2,000,000	$ 1,000,000	$ 3,000,000
2	Addition to Science Hall, and Renovation of McMullen Hall, Phase I	267,230	15,120	282,350
3	Center for Handicapped Children	519,000	346,000	865,000
4	Campus Master Plan	20,000		20,000
5	Physical Education Building Addition	475,335	237,665	713,000
6	Utilities Extension	100,000		100,000
7	Land Acquisition	600,000		600,000
	TOTAL	$ 3,981,565	$ 1,598,785	$ 5,580,350
	SELF-LIQUIDATING			
	Dormitory and Central Food Service			$ 5,287,900
	Student Union Building			2,237,000
			TOTAL	$ 7,524,900

1969-1971 BIENNIUM

1	High-Rise Classroom Building		$ 3,200,000
2	Phase IV of the Library-Classroom Building (Enlarge Library)		1,700,000
3	Physical Plant Expansion, Phase I		225,000
4	Science Hall Addition and McMullen Hall		900,000
5	Landscape and Site Development		75,000
		TOTAL	$ 6,100,000
	SELF-LIQUIDATING		
	Dormitory		$ 2,800,000

1971-1973 BIENNIUM

1	Physical Plant, Phase II		$ 125,000
	SELF-LIQUIDATING		
	Dormitory		$ 3,000,000
	Parking Garage		600,000
	Fieldhouse		3,500,000
		TOTAL	$ 7,100,000

1973-1975 BIENNIUM

1	Classroom Building		$ 3,000,000
2	Land Acquisition		500,000
3	Landscaping and Site Development		100,000
		TOTAL	$ 3,600,000

LONG RANGE BUILDING PROGRAM

EASTERN MONTANA COLLEGE, BILLINGS

PRIORITY	TITLE		ESTIMATED COST
	SELF-LIQUIDATING		
	Student Union Building, Phase II		$ 1,500,000
	Dormitory Building		3,500,000
		TOTAL	$ 5,000,000
	1975-1977 BIENNIUM		
1	Land Acquisition		$ 500,000
	SELF-LIQUIDATING		
	Dormitory		$ 3,760,000
		TOTAL TEN YEAR PROGRAM	$42,090,250

EASTERN MONTANA COLLEGE, BILLINGS

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
1	LIBRARY CLASSROOM BUILDING Phases II and III	$ 2,000,000 1,000,000 $ 3,000,000	state federal total

DESCRIPTION: This project would provide Eastern Montana College with urgently needed multi-purpose classroom space and faculty office space. The classrooms would serve the social science, humanities and art departments, general classroom needs and be staffed by approximately 172 instructional personnel. The art department is now housed in the basement of a dormitory and this space will revert to its original purpose. Pre-planning has been accomplished on this project and a hi-rise building has been designed to help conserve space on an already limited campus. Montana Higher Commission has approved a one million dollar allocation of Federal funds.

OCCUPANCY: by September 1969

2	ADDITION TO SCIENCE HALL AND RENOVATION OF McMULLEN HALL, Phase I	$ 267,230 15,120 $ 282,350	state federal total

DESCRIPTION: Science: Immediate assistance in office space and classroom space would be achieved by addition of one floor above the Science Hall auditorium. Lighting of the whole Science Building should be studied by a lighting engineer, and the whole system redesigned to provide adequate illumination and sufficient wiring for present use and to prevent overloading.

McMullen Hall: Remodel first and second floors of McMullen Hall (Administration Building) after library is removed into the new facility. This would provide additional administrative offices and would more effectively use existing space by utilizing corridors as additional area for business office and the office of the Registrar.

OCCUPANCY: by September 1969

GOVERNOR'S COMMENT: Recommend that further study be made of the Addition to the Science Hall but that the remainder of the project be authorized in the amount of $150,000.

EASTERN MONTANA COLLEGE, BILLINGS

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
3	CENTER FOR HANDICAPPED CHILDREN	$ 519,000	state
		346,000	Hill-Burton
		$ 865,000	total

DESCRIPTION: A new building is needed to provide facilities for more effective and efficient use of the Center for Handicapped Children in the training of the Special Education Teachers. Additional classroom spaces are essential for the expanding Special Education Program of the Center as well as classroom space for additional classes of mentally retarded and such experimental classrooms as for the emotionally disturbed, the gifted and the neurologically impaired. This proposal is for a new wing to be connected to the existing educational building. The area, approximately the equivalent of five classrooms, now being occupied by the Center for Handicapped Children in the basement of McMullen Hall, would be released for other use.

The proposed area for the Center for Handicapped Children would allow for an increase in the number of handicapped children in the regular day-school program from the present capacity of thirty to a limit of about fifty. The number of children seen in the various clinics for diagnosis and evaluation could be increased considerably, from the present 435 average, depending upon demand. The number of college students who could be accommodated for observation and practice teaching could be substantially increased and the effectiveness of the training could be much improved.

OCCUPANCY: by September 1969

4	CAMPUS MASTER PLAN	$ 20,000	state student fees

DESCRIPTION: This Campus Master Plan is needed to systematically plan and develop the campus in a logical and orderly manner. It would encompass building locations, architectural styling, traffic flows, grounds landscaping, and utility tie-ins. This study would incorporate surveys, topography, title data, establish buildings and utility line locations with projected specific sites for buildings, recreational areas, streets, walkways, parking areas, land acquisition and similar date to adequately organize a comprehansive building program.

COMPLETION: by June 1968

EASTERN MONTANA COLLEGE, BILLINGS

67-69 BIENNIUM

PRIORITY	TITLE	COST ESTIMATE	FINANCING
5	PHYSICAL EDUCATION BUILDING ADDITION	$ 475,335 237,665 $ 713,000	state federal total

DESCRIPTION: This addition is needed to serve the increased 200 student load in required physical education classes and the intra-mural program. This facility will be staffed by 10 faculty.

OCCUPANCY: by September 1969

6	UTILITIES EXTENSIONS	$ 100,000	state

DESCRIPTION: To accommodate new construction requested for this biennium, the existing utilities must be extended. The utilities included in this project include electricity, natural gas, water and sewer systems.

COMPLETION: by July 1969

7	LAND AQUISITION	$ 600,000	state

DESCRIPTION: Two principles must be held to on the Eastern Montana College Campus if it is to serve the needs of the state. First, no more auxiliary enterprises shall be built on the present boundaries of the campus. Second, there shall be no more low-rise buildings unless provision is made to build above them. Land is needed and would be cheaper now than later. It could be partially repaid by subsequent revenue of auxiliary enterprises.

COMPLETION: by December 1967

EASTERN MONTANA COLLEGE, BILLINGS

67-69 BIENNIUM

TITLE	COST ESTIMATE	FINANCING
DORMITORY AND CENTRAL FOOD SERVICE	$ 5,287,900	self-liquidating

DESCRIPTION: Present housing facilities at Eastern will only accommodate 970 dormitory students, and feeding facilities have a capacity of 1,000 students. The ratio of dormitory students to total enrollment will bring both of these facilities to capacity by the 1966-67 school year. Unless we can look forward to future facilities, Eastern cannot properly care for the projected increase in enrollment.

Proposed residence hall would be co-educational, would be ten stories high, with eight of the ten containing dormitory rooms housing 400 boys and 400 girls. It would have self-contained feeding facilities for 2,500 students, a VIP room for private dining the President and visiting dignitaries, plus a separate dining area for the faculty. Occupying the hall would be offices for the Director of Housing and the Manager of Food Services. It would also contain apartments for two Residence Hall Directors, their offices, counseling offices, and facilities for storage, mechanical, and electrical units.

Building sites are becoming a major problem on campus at Eastern just as they are on every campus. It would, therefore, benefit future classroom building sites if thought were given to acquiring enough land directly to the north of the campus for this proposed residence hall. The purchase price for this land has been taken into account in the projected cost. An overhead pedestrian ramp crossing Rimrock Road has also been considered in the cost.

OCCUPANCY: by June 1969

STUDENT UNION BUILDING	$ 2,237,000	self-liquidating

DESCRIPTION: The need for a new student union in a separate building is indicated by the present overcrowding of the commuter dining room and snack bar, the lack of meeting room space and temporary use of the lounge as movie theatre space. Increased enrollment will only amplify these conditions.

The student union functions as a service facility. It is unique in that it also combines services, amenities, and organization in a college community center for all members of the college community; the students, faculty, administration, alumni and guests. It is definitely a program and an organization, a well considered plan for the community life of the college.

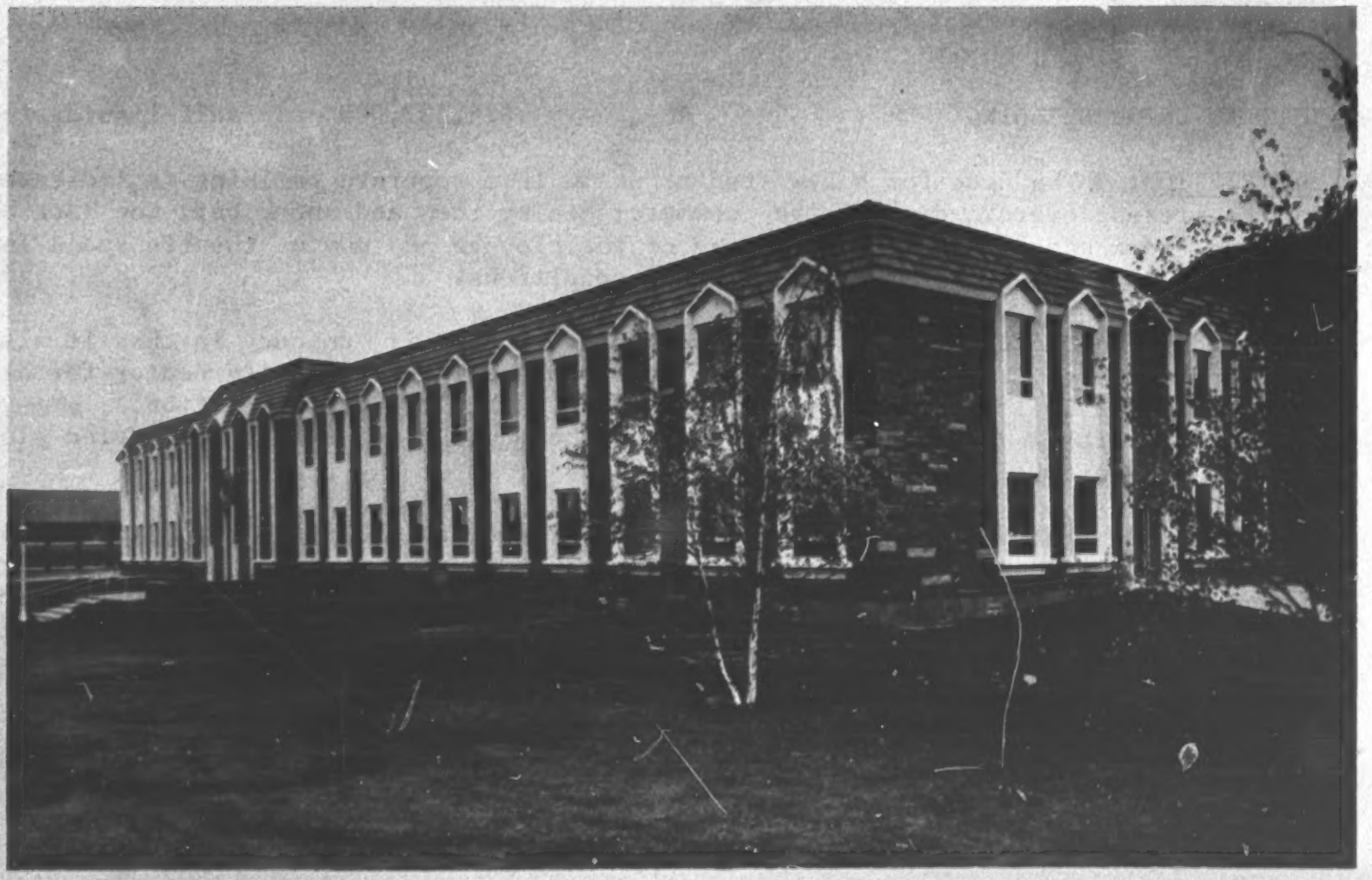
It is part of the educational program of the college, a laboratory for citizenship, a place for development of leadership qualities. It is expected that a large percentage of students, faculty, alumni, administrators, and guests will use this facility daily. That it will be the center for visiting groups of adults has been proven throughout the nation.

OCCUPANCY: by September 1970

LONG RANGE BUILDING PROGRAM

CARROLL COLLEGE, HELENA

PRIORITY	TITLE		ESTIMATED COST		
			local	federal	Total
		1968 No Request			
		1969			
1	Physical Education Building		800,000	400,000	1,200,000
		1970 No Request			
2	Men's Dormitory	1971	750,000		750,000
3	Library Addition	1972	300,000	150,000	450,000
4	Chapel	1973	450,000		450,000
5	Fine Arts Building	1974	500,000	250,000	750,000
		1975-1977 No Request			
	TOTAL TEN YEAR PROGRAM		2,800,000	800,000	3,600,000



O'CONNELL HALL
CARROLL COLLEGE
HELENA, MONTANA

MORRISON-MAIERLE and ASSOCIATES

CARROLL COLLEGE, HELENA

PRIORITY	TITLE	COST ESTIMATE	FINANCING
1	Physical Education Building	800,000	local
		400,000	federal
		1,200,000	total

DESCRIPTION: Existing facilities are inadequate for men, non-existent for women, and would not serve adequately an enrollment of more than 100 male students. Present enrollment is approximately 500 men and 400 wormen. This facility is planned to accommodate an enrollment of 1,500 students and provide a good facility for physical education for such an enrollment.

The college will apply for loan assistance under Title III of P.L. 88-204 which requires that at least 25% of the total estimated cost be from non-federal sources.

COMPLETION: by September 1969

2	Men's Dormitory	750,000	local

DESCRIPTION: To provide for continued expansion of enrollment, this facility will be needed. Present boarding facilities for men are operating at capacity and additional space will be needed soon. To keep such a facility self-liquadating off-campus enrollment will be expanded in intervening years. This facility will be planned for about 160 students.

COMPLETION: by September 1970

3	Library Addition	300,000	local
		150,000	federal
		450,000	total

DESCRIPTION: The existing library is now being used to capacity and additional space is needed to accommodate an expanding enrollment. This facility would be planned to accommodate an enrollment of 1,500 students, to provide adequate reading room space and free access stack space for such an enrollment.

The college will apply for loan assistance under Title III of P.L. 88-204 which requires that at least 25% of the total estimated cost be from non-federal sources.

COMPLETION: by September 1972

4	Chapel	450,000	local

DESCRIPTION: To accommodate an enrollment of 1,500 students and to provide a modern facility in keeping with recent thinking and revisions in liturgical practices.

COMPLETION: by September 1973

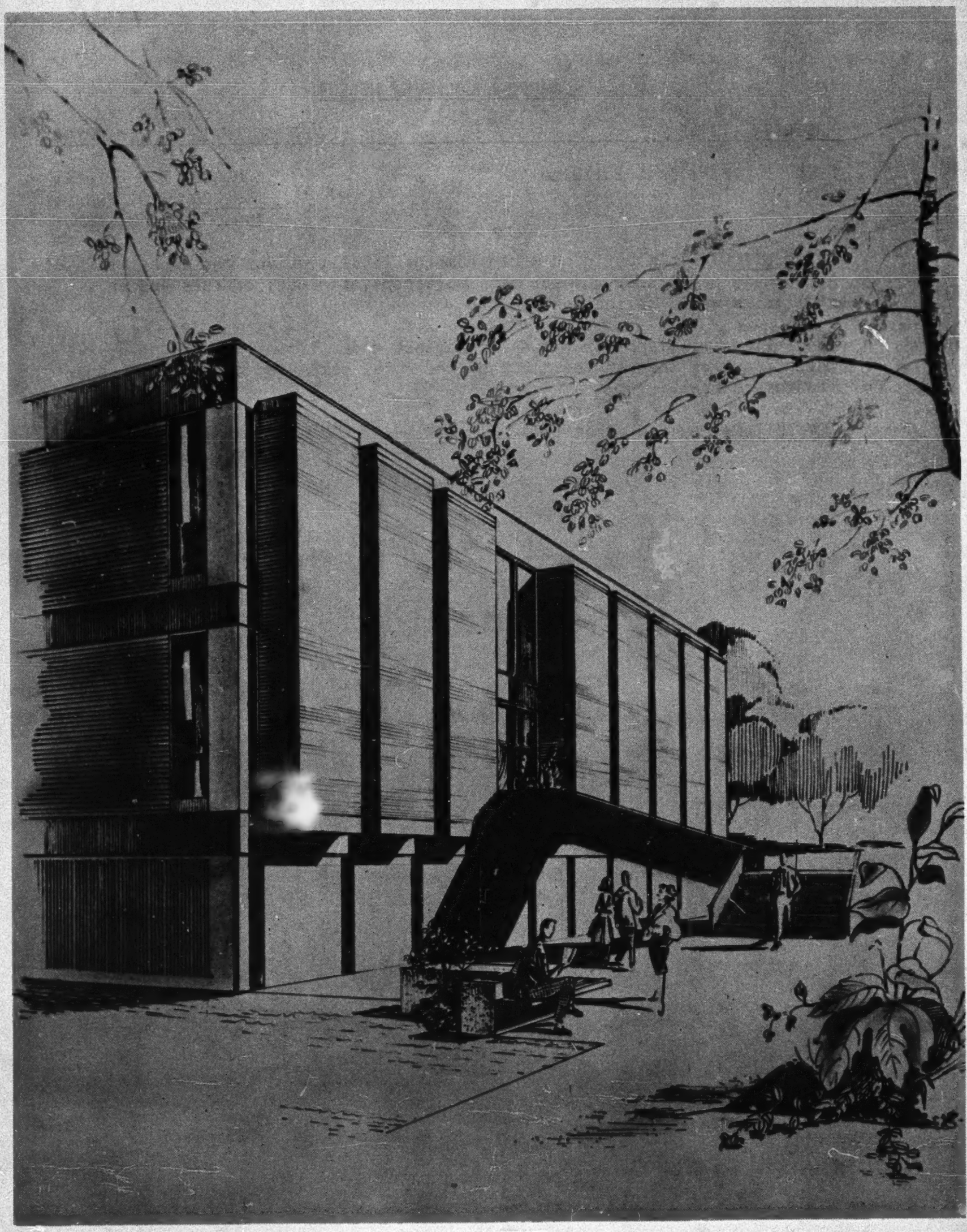
CARROLL COLLEGE, HELENA

PRIORITY	TITLE	COST ESTIMATE	FINANCING
5	Fine Arts Building	500,000	local
		250,000	federal
		750,000	total

DESCRIPTION: This building would combine facilities for the departments of Art, Music and Drama. Classrooms, workshops, storage, offices and an auditorium would be included.

The college will apply for loan assistance under Title III of P.L. 88-204 which requires that at least 25% of the total estimated cost be from non-federal sources.

COMPLETION: by September 1974



COLLEGE OF GREAT FALLS
GREAT FALLS, MONTANA

PAGE-WERNER & PARTNERS ARCHITECTS

LONG RANGE BUILDING PROGRAM

COLLEGE OF GREAT FALLS, GREAT FALLS

PRIORITY	TITLE	ESTIMATED COST local	federal	total
	1968			
1	Men's Residence Units	(self liquidating)		$ 710,000
	1969-1970			
2	Library Building	$ 803,333	$ 401,667	$ 1,205,000
3	Enlargement of Administration Facilities	50,667	25,333	76,000
4	Enlargement of Central Heating Plant	52,667	26,333	79,000
	1971			
5	Experimental Laboratory School	826,000	413,000	1,239,000
	1972			
6	Communications Center and Classroom Building	674,000	337,000	1,011,000
	1973-1977 Nothing Specific Anticipated			
	TOTAL TEN YEAR PROGRAM	2,406,667	1,203,333	4,320,000

COLLEGE OF GREAT FALLS, GREAT FALLS

PRIORITY	TITLE	COST ESTIMATE	FINANCING
1	Men's Residence Units	710,000	local

DESCRIPTION: Male students are now housed in private homes or in an apartment development adjacent to the campus.

As planned, each residential unit would house from 25 to 30 students. The units, four or five in all, would be clustered about a central court, providing attractive and comfortable living quarters and combining the advantages of semi-private accommodations for study with the opportunity for companionship in leisure hours.

Men's residence units hold a major investment priority in the college's plans. Until such units are secured, the college cannot actively recruit more male students from outside the city. The addition of such units will also add considerable strength to campus life in both academic and extra-curricular programs.

COMPLETION: by August 1968

2	Library Building	803,333	local
		401,667	federal
		1,205,000	total

DESCRIPTION: The most pressing academic facility need of the college is for a library building. At present the library is housed in the west wing of the library-administration complex, but space is not adequate for the expanded library holdings which the college must acquire, nor is there sufficient space to provide adequate study opportunities for all students.

The function and purpose of this new library facility will be to offer adequate accommodation for a student body of 1200 students.

Expansion of this proposed facility must be considered so as to accommodate appropriate future longer range requirements and innovations resulting from research in the field of library science.

The release of the existing library facility permits renovation of the existing facility so as to increase by 135% presently inadequate administration space.

COMPLETION: by August 1969

COLLEGE OF GREAT FALLS, GREAT FALLS

PRIORITY	TITLE	COST ESTIMATE	FINANCING
3	Enlargement of Administrative Facilities	50,667	local
		25,333	federal
		76,000	total

DESCRIPTION: Construction of the library will allow for expansion of the present administration unit into the entire building now shared with the library. All administrative offices will be centralized providing space for additional files and personnel which will be needed as student and alumni rosters expand.

COMPLETION: by August 1969

4	Enlargement of Central Heating Plant	52,667	local
		26,333	federal
		79,000	total

DESCRIPTION: The central heating plant capacity designed at the time of construction of the original campus in 1959-1960 was approximately 50% greater than initial requirements. With the completion of the McLaughlin Memorial Center in 1965 nearly all of the extra capacity was being used. It is then necessary to expand the existing central heating system so as to accommodate all future building requirements.

COMPLETION: by August 1969

COLLEGE OF GREAT FALLS, GREAT FALLS

PRIORITY	TITLE	COST ESTIMATE	FINANCING
5	Campus Experimental Laboratory School	826,000	local
		413,000	federal
		1,239,000	total

DESCRIPTION: About one half of the college's graduates prepare for teaching careers in elementary and secondary schools. They now receive their student teaching experience in public and private schools in Great Falls and neighboring communities.

The addition of a campus school will allow the education department to provide a richer and fuller program of student teaching on campus, with student teachers working under the direction of master teachers at several different grade levels and with a variety of teaching aids. Plans call for construction of a multi-unit school on the east portion of the campus to serve approximately 300 elementary and secondary students.

A campus school will also enable the education department, in cooperation with other academic departments, to develop experimental curricula for elementary and secondary schools and to test modern teaching methods under laboratory conditions.

A campus school will also allow the college to expand several of the educational programs which it has pioneered in Central Montana; modern mathematics, classroom creativity, multi-level methods of teaching reading and spelling, and the Montessori method of teaching; similar programs can also be developed for the benefit of student teachers at the college and for in-service educational programs for teachers in the Great Falls area.

COMPLETION: by August 1971

6	Communications Center and Classroom Building	674,000	local
		337,000	federal
		1,011,000	total

DESCRIPTION: Although present instructional areas are adequate for the current enrollment at the college, additional classrooms will be needed as the college begins to realize its potential enrollment.

Because so many problems in contemporary society can be traced to a failure in communications, the college plans to concentrate academic work in fields related to communications into a central location.

A new classroom building to serve up to 1200 students, which would house language laboratory facilities, audio-visual equipment, media for programmed instruction and classes in writing, literature, speech and related fields would enable the college to meet its need for more classrooms to serve a growing student body while at the same time developing its academic approach toward an improvement in communications between citizens and nations.

COMPLETION: by August 1972

LONG RANGE BUILDING PROGRAM

ROCKY MOUNTAIN COLLEGE, BILLINGS

PRIORITY	TITLE	ESTIMATED COST		
		local	federal	total
	1968			
1	Physical Education Center	984,000	482,000	1,466,000
2	Library Addition	200,000	100,000	300,000
3	Enlargement of Administrative Facilities	50,000	25,000	75,000
4	Residence Hall	500,000		500,000
	1969			
5	Science-Classroom Building	433,333	216,667	650,000
6	Fine Arts and Religious Centre	750,000		750,000
7	Addition to Student Union	250,000		250,000
8	Renovation of Social Science Building	25,000	12,500	37,500
	1970			
9	Residence Hall	500,000		500,000
	1971-1972			
	Nothing Specific Anticipated			
	1973			
10	Residence Hall	500,000		500,000
	1974-1977			
	Nothing Specific Anticipated			
	TOTAL TEN YEAR PROGRAM	4,192,333	836,167	5,028,500

ROCKY MOUNTAIN COLLEGE, BILLINGS

PRIORITY	TITLE	COST ESTIMATE	FINANCING
1	Physical Education Center	984,000	local
		482,000	federal
		1,466,000	total

DESCRIPTION: This facility is urgently needed in view of the very poor condition of the existing gymnasium. Said gymnasium is really not suitable for use at the present time and is also most limited as to size and versatility. This project will provide a complete new facility housing physical education areas including gymnasium, swimming pool, special recreation areas, classrooms and laboratories. Both the Physical Education and Psychology Departments will use this facility intended to serve 1,200 students.

COMPLETION: by August 1969

2	Library Addition	200,000	local
		100,000	federal
		300,000	total

DESCRIPTION: The present facility is presently at capacity and expanded stack area and general service areas need to be expanded to adequately serve the projected student enrollment of 1,200.

COMPLETION: by August 1969

3	Enlargement of Administrative Facilities	50,000	local
		25,000	federal
		75,000	total

DESCRIPTION: Enrollment growth dictates additional academic facilities, instructional areas and faculty offices will be needed by the 1969-1970 school year. Pressure can be alleviated by converting the present administration building to academic usage and renovating Kenney Hall for administrative purposes. Kenney Hall, originally built as a dormitory is now being used partially for faculty offices.

COMPLETION: by August 1969

4	Residence Hall	500,000	local

DESCRIPTION: Conversion of Kenney Hall to an administrative facility and increasing enrollment indicate the need of housing facilities to accommodate 150 students.

COMPLETION: by August 1969

ROCKY MOUNTAIN COLLEGE, BILLINGS

PRIORITY	TITLE	COST ESTIMATE	FINANCING
5	Science-Classroom Building	433,333	local
		216,667	federal
		650,000	total

DESCRIPTION: At the present time the College does not have a Science Building. The Biology Department is housed in a wooden frame building of World War II vintage which is not suitable for continued use. Other departments of the Science Division are housed in the Administration Building and the Technology Building. In short, we have an urgent need for a new Science facility.

This new facility will house the Division of Natural Sciences and Mathematics and student enrollment of 1,200.

COMPLETION: by August 1970

6	Fine Arts and Religious Centre	750,000	local

DESCRIPTION: This facility will accommodate both the fine arts programs, a chapel and religious instruction program. It will include a sanctuary, auditorium and related areas.

COMPLETION: by August 1970

7	Addition to Student Union	250,000	local

DESCRIPTION: Increasing enrollment indicates expansion of Student Union and related facilities. The addition will include approximately 13,069 sq. feet which will practically double the present student union building.

COMPLETION: by August 1970

8	Renovation of Social Science Building	25,000	local
		12,500	federal
		37,500	total

DESCRIPTION: The present structure is sound and remodeling will increase the efficiency of existing areas.

COMPLETION: by August 1970

9	Residence Hall	500,000	local

DESCRIPTION: Increase in resident student enrollment indicates the need for housing facilities to accommodate 150 students.

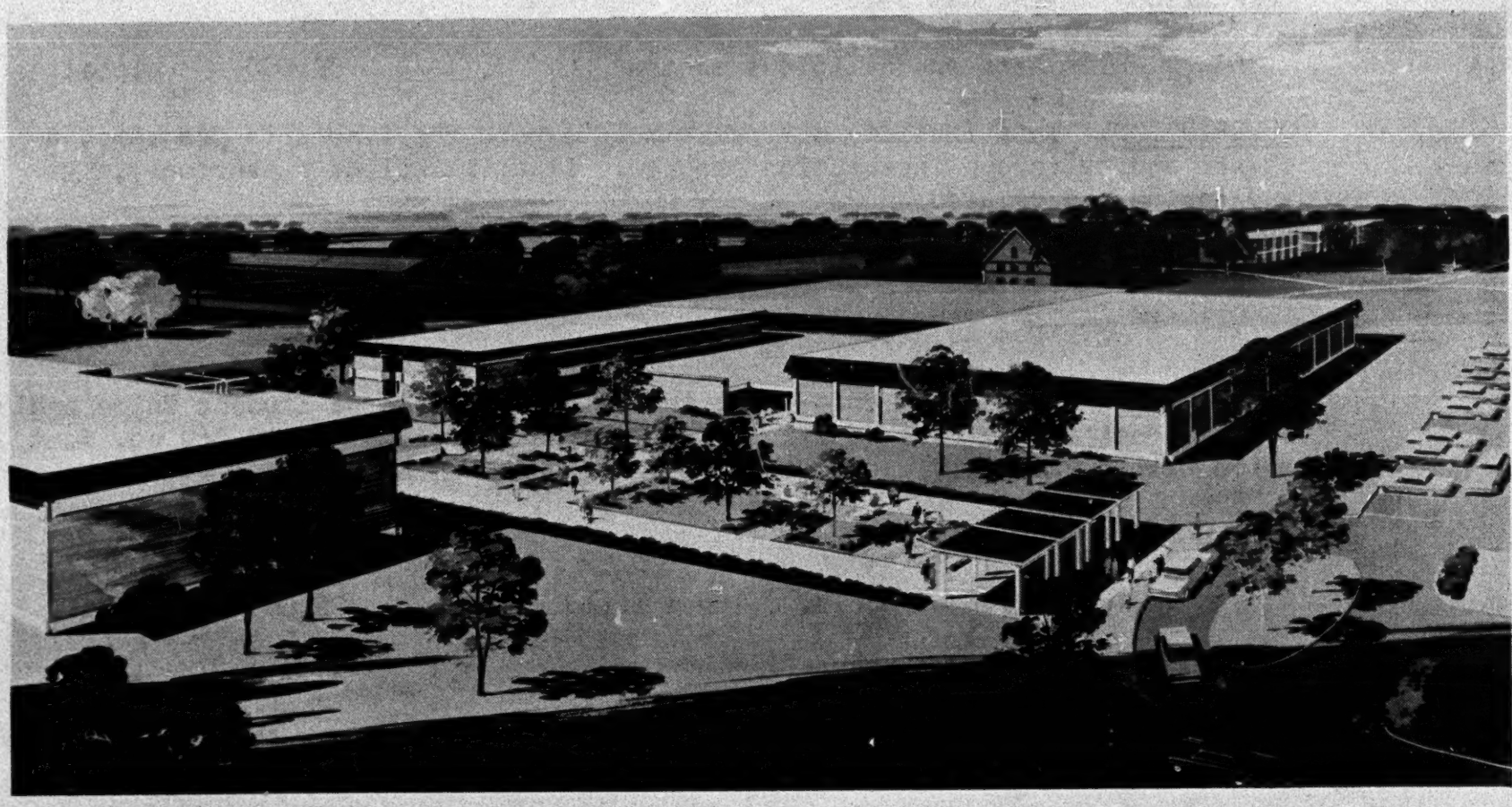
COMPLETION: by August 1972

ROCKY MOUNTAIN COLLEGE, BILLINGS

PRIORITY	TITLE	COST ESTIMATE	FINANCING
10	Residence Hall	500,000	local

DESCRIPTION: Increase in resident student enrollment indicates the need for housing facilities to accommodate 150 students.

COMPLETION: by August 1975



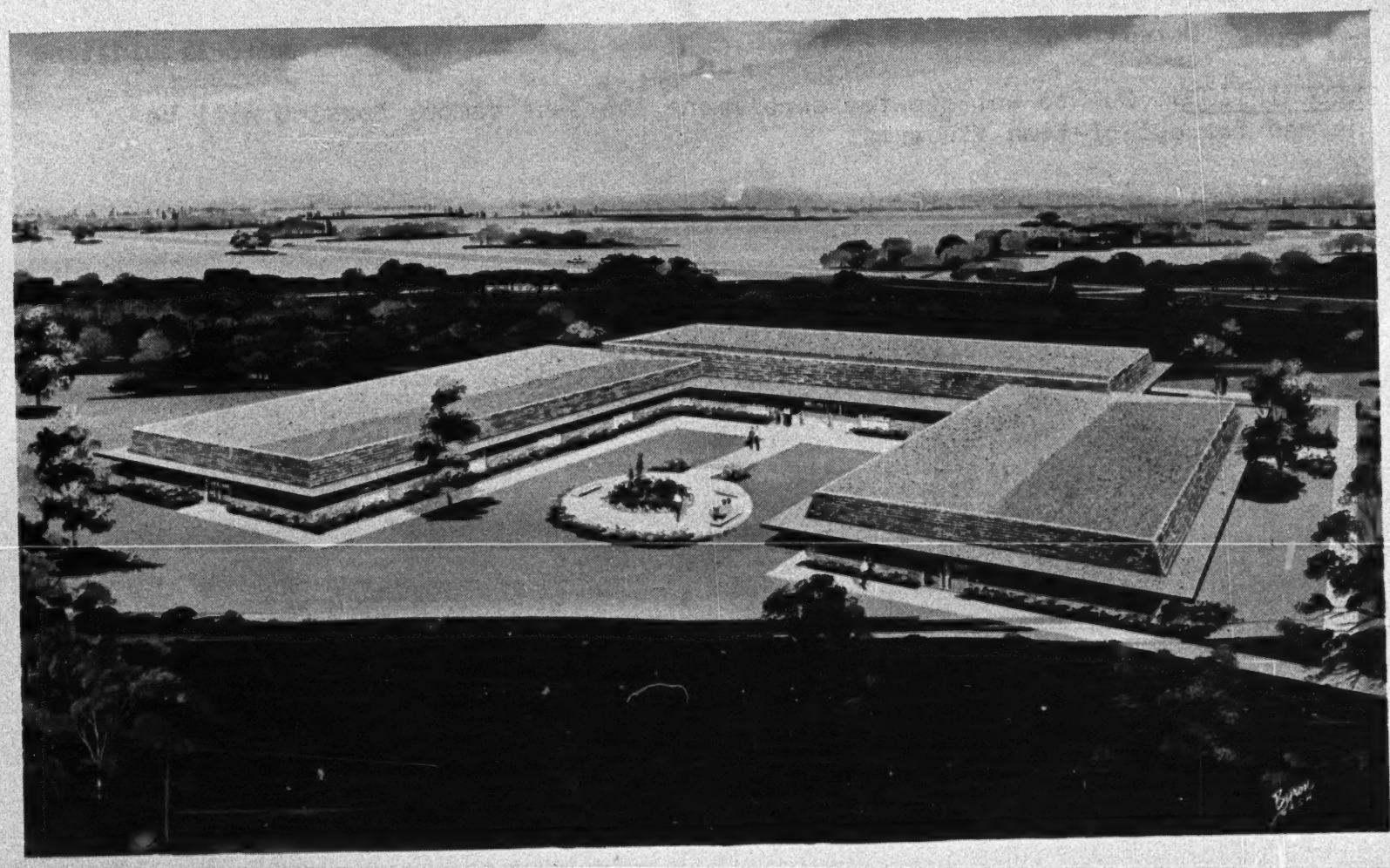
EDUCATION CENTER
ROCKY MOUNTAIN COLLEGE
BILLINGS, MONTANA

CUSHING, TERRELL ASSOCIATES, ARCHITECTS

LONG RANGE BUILDING PROGRAM

DAWSON COLLEGE, GLENDIVE

PRIORITY	TITLE		ESTIMATED COST		
			local	federal	total
		1968			
1	Three Classroom Addition		30,000	20,000	50,000
		1969			
		No Request			
2	Classroom Building	1970	60,000	40,000	100,000
		1971			
		No Request			
		1972			
3	Physical Education Building		90,000	60,000	150,000
		1973			
4	Dormitory		(self-liquidating)		500,000
		1974-1977			
		No Request			
	TOTAL TEN YEAR PROGRAM		180,000	120,000	800,000



DAWSON COLLEGE
GLENDIVE, MONTANA

DRAKE, GUSTAFSON and ASSOCIATES

DAWSON COLLEGE, GLENDIVE

PRIORITY	TITLE	COST ESTIMATE	FINANCING
1	Three Classroom Addition	30,000	local
		20,000	federal
		50,000	total

DESCRIPTION: Present classroom space is inadequate and over crowded. The proposed new classrooms would be added in the existing building.

COMPLETION: by September 1970

2	Classroom Building	60,000	local
		40,000	federal
		100,000	total

DESCRIPTION: This project would consist of approximately seven classrooms with faculty offices and related facilities.

COMPLETION: by September 1972

3	Physical Education Building	90,000	local
		60,000	federal
		150,000	total

DESCRIPTION: There are no facilities available on the present site for physical education instruction. This building will serve as an academic facility for the urgently needed physical education program.

COMPLETION: by September 1974

4	Dormitory	500,000	self-liquidating

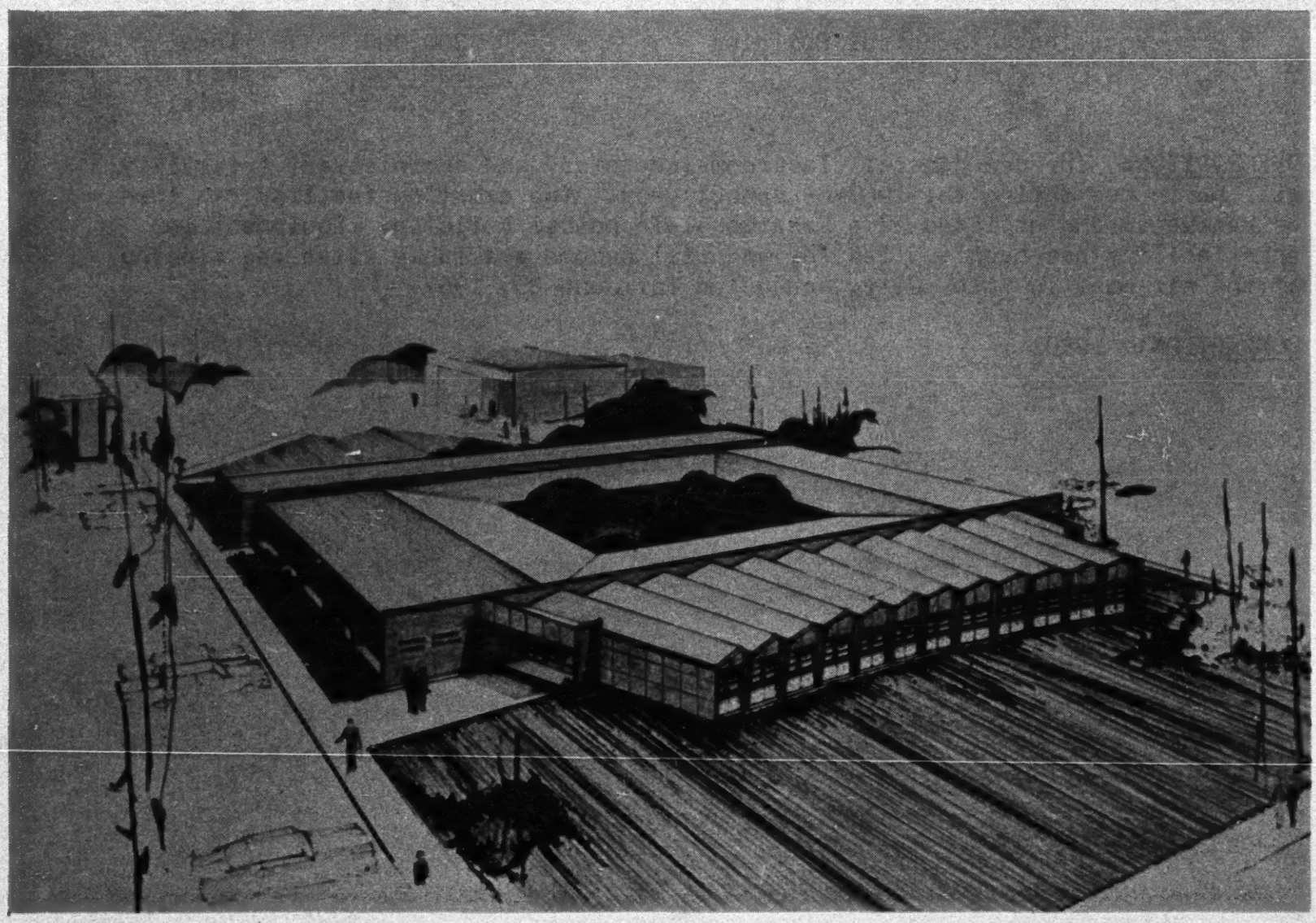
DESCRIPTION: Due to anticipated enrollment increase campus housing will be needed for out-of-town students.

COMPLETION: by September 1975

LONG RANGE BUILDING PROGRAM

MILES COMMUNITY COLLEGE, MILES CITY

PRIORITY	TITLE	ESTIMATED COST local	federal	total
	1968			
1	Student Housing and Dining Facilities	1,000,000		1,000,000
2	Health and Physical Education Plant	300,000	200,000	500,000
3	Vocational-Technical Facilities	300,000	200,000	500,000
	1969-1977			
	Nothing Specific Anticipated			
	TOTAL TEN YEAR PROGRAM	1,600,000	400,000	2,000,000



MILES COMMUNITY COLLEGE
MILES CITY, MONTANA

LONERS & STROEBE—A.I.A.

MILES COMMUNITY COLLEGE, MILES CITY

PRIORITY	TITLE	COST ESTIMATE	FINANCING
1	Student Housing and Dining Facility	1,000,000	local

DESCRIPTION: Enrollment projections indicate the necessity of providing housing and dinning facilities to accomodate approximately 150 students.

COMPLETION: 1970

2	Health and Physical Education Plant	300,000	local
		200,000	federal
		500,000	total

DESCRIPTION: The new campus does not have provisions for the teaching of Physical Education. This building will serve as an academic facility for the urgently needed physical education program.

COMPLETION: 1971

3	Vocational-Technical Building	300,000	local
		200,000	federal
		500,000	total

DESCRIPTION: The new general classroom-laboratory and administrative facility will be in use during the 1967-68 school year. The existing facility can then be renovated and utilized as a Vocational-Technical building. Equipment for this facility has been applied for and will become available after the closing of the Air Base in Miles City, scheduled for June 30, 1967.

COMPLETION: 1970